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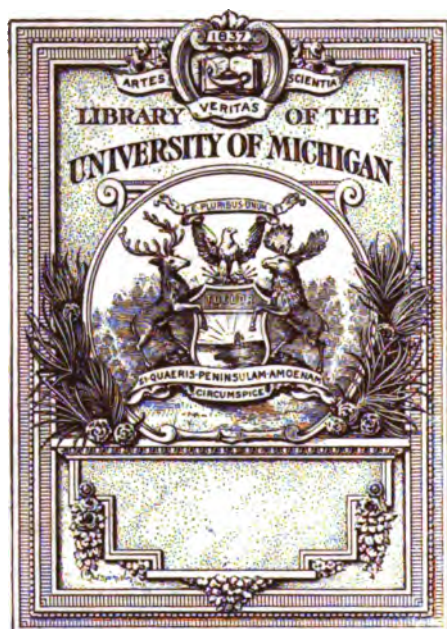
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**M. V. CARROLL, Chief Clerk.**



**A. ROZELLE, Commissioner.**



**WM. ANDERSON, Factory Inspector.**

**MISSOURI'S LABOR COMMISSIONER AND ASSISTANTS.**

NINETEENTH ANNUAL REPORT

OF THE

**BUREAU OF LABOR STATISTICS**

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**AND INSPECTION**

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OF THE

**STATE OF MISSOURI,**

FOR THE

**Year Ending November 5th, 1897.**

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COMPILED AND PUBLISHED BY

**ARTHUR ROZELLE, *Commissioner of Labor.***

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JEFFERSON CITY.

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LETTER OF TRANSMITTAL.

STATE OF MISSOURI,

Jefferson City, November 1, 1897.

HON. LON V. STEPHENS,

Governor of Missouri:

Sir:—I have the honor to submit herewith the nineteenth annual report of the Bureau of Labor Statistics.

Respectfully,

ARTHUR ROZELLE,

Commissioner of Labor.



## INTRODUCTORY.

---

The Bureau of Labor Statistics and Inspection of the State of Missouri was created by an act of the Legislature in 1879, and made a separate and independent department in 1883. As the name indicates and as outlined by the law creating the Bureau, its chief object is to collect and publish annually, statistics relating to all departments and conditions of labor and to secure the inspection of mines, factories and workshops. Therefore, this report is confined to the lines indicated, without any attempt at rhetorical flourish, but with a view to accuracy and condensation rather than redundancy and speculation. We have endeavored to deal only with practical questions and issues in the industrial field, which are now pressing for solution.

There being no distinct department of immigration for Missouri, we have for the purpose of attracting the attention of homeseekers, briefly set forth the varied natural and acquired resources of the State, in connection with other general and county statistics.

Labor being the chief source of wealth and agriculture the principal employment of labor, that industry has been given the first place in this report. It embodies chiefly the prices and cost of production of the principal farm products for 1896, and the surplus products shipped during the same year, together with the average size of farms, number of farm hands and the average wages of farm and domestic labor.

Closely allied with the agricultural statistics is all the information to be obtained regarding the public lands open to homestead or cash entry in the State.

The second industry in magnitude is that of manufactures, of which as complete a report as it was possible to secure, together with a report of inspections of factories and workshops is submitted. We also present a brief report of the condition of organized labor, exhaustive tables and deductions on the operation of water works, electric light and gas plants; also, a schedule of wages paid railway and street car employes is shown, together with the average earnings of miners and other classes of labor.

A chapter is devoted to fellow-servant legislation and recommendations are made in line with what appears to be the prevailing public sentiment on that subject.

The report contains an exhaustive exposition of the methods of fraudulent employment agencies and the plan of operation of the free employment department, recently established by this Bureau.

The last and one of the principal features of the report is a digest of the labor laws of the State.

In the compilation of this report, we have tried to keep out of a somewhat worn and beaten path and by avoiding, as much as possible, dry statistics, and interspersing the work with illustrations, showing some of the State's industries, we hope it will prove of greater general interest to the public.

In securing information concerning farm products, prices and cost of production, much difficulty was encountered, as no very exact system of bookkeeping is universal among the farmers. Special agents visited each county in the State and by inspection of the records and interviewing county officials and representative citizens, made as careful estimates as possible. In computing the cost of production, the rental or interest on money invested in lands, together with all labor required to grow and gather the crop was taken into consideration.

The fact that these estimates show small profit and in many cases absolute loss to the producer is in no sense a reflection on the industry of the farmer or an argument against Missouri. The short crop, last season, in a very few localities—something very unusual in Missouri—is partially responsible for this showing, but the cause is chiefly due to a defective monetary system, which is year by year, increasing the purchasing price of the dollar and depreciating the value of labor and its products, the whole country over.

In conclusion, the Commissioner desires to acknowledge his obligation to Chief Clerk M. V. Carroll, Inspector William Anderson, Statistician J. W. Marsteller and every other employe of the Bureau, for faithful and efficient service, and divide with each any favor which this work may merit.

GRAND MISSOURI.

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The ancient boast "All roads lead to Rome," might, with propriety and without distortion of facts, be changed to "All roads lead to Missouri," thus briefly indicating her rank and position in the sisterhood of States.

A glance at the map shows that Missouri is located near the geographical center of the United States, and a study of statistics proves that the center of population is fast gravitating toward our metropolis, St. Louis.

Missouri can be said to be the heart of the Union and like the healthy heart in any organism, she possesses the power to send out from her boundless resources enough to nourish the whole body.

Missouri possesses everything that goes to make up a great State. In location she is especially fortunate, being so central as to be exempt from extremes of heat and cold, but what is of far greater importance, she is immune from that extreme sectionalism that is so hostile to intellectual and political health. Her size, 69,415 square miles or about 45,000,000 acres, furnishes room for an empire. Six of the New England States might be swallowed up in this vast domain and a good-sized State still be left.

No other State can show so much navigable river front, more or better water power, such wealth and variety of native timber, better or more luxuriant natural grasses, finer soil, adapted to almost every variety of crop or such variety and quantity of minerals.

It will no doubt surprise many citizens of our grand commonwealth to learn that there are yet within the borders of the State about 500,000 acres of Government land subject to homestead or cash entry. While much of it is broken it is infinitely richer in timber, soil and minerals than the high-priced, worn-out lands of the extreme East. The drainage is perfect and there is no more healthful section and no better place for the home-seeker than the unoccupied lands of Missouri.

Missouri's mineral wealth has hardly been touched and yet she ranks first in the production of lead and zinc; iron is abundant; copper is found in good quality and paying quantities; immense beds of glass sand, pottery, tile and brick clay are found scattered all over the State.

Missouri's coal mines produced in 1896, 2,420,147 tons of coal, only a small amount compared to what might be easily and with great profit to all concerned, produced annually.

Here is found an endless variety of building stone. Granite, marble, onyx, limestone and sandstone are abundant, besides building sand and gravel. In 1896 Missouri produced 67,404 tons of lead and 93,149 tons of zinc, worth respectively \$1,862,123 and \$1,706,948. The output and value of stone, gravel, brick, sand and ballast was worth \$2,880,755.

Almost boundless forests of ash, oak, hickory, walnut, gum, elm, birch, sycamore, cedar and pine stretch across the southern part of the State and from these Missouri during 1896, after using all she needed in each district, exported 300,000,000 feet of lumber, 40,000,000 feet of logs, besides 6,371 cars of cord wood, 2,634 cars of cooperage and 2,759,676 ties.

The soil of fully two-thirds of the State is adapted to the raising of all of the small fruits and the southwestern quarter is justly famed as the "land of the big red apple." The acreage in small fruits and vines is annually increasing. Only capital and industry are needed to make this one great vineyard and garden. It is estimated that the fruit crop of Missouri is annually worth close to \$26,000,000.

Proximity to large centers of population and abundant railroad facilities make "truck" farming a profitable and rapidly increasing industry and one to which capital should be invited. In 1896, after supplying her large cities and towns, a surplus of garden products remained worth \$322,380.

Nor must the poultry interests be overlooked, for the Missouri hen has helped to feed the family and then sent to market 31,969,031 dozen of eggs, worth \$2,557,052; besides \$3,184,732 worth of poultry was sold.

While not claiming to be a cotton producing State, in 1896, \$996,000 worth of that staple was sent to market, the seed of which brought \$480,000.

As a producer of the great staples, corn, wheat, oats, hay, potatoes, cattle and hogs, Missouri admits few equals and no superiors. Her surplus products from farm, forest and mines marketed in 1896 were worth in round numbers \$193,000,000, while the State's total productions aggregated \$400,000,000.

To gain an adequate idea of her high rank among the States, one must study Missouri's statistics. As to numbers, her population of 3,250,000 gives her fifth place in the Union; while as to the character and quality of the population, she admits no superior. Her people, largely Americans, are descended principally from the best pioneer stock of Virginia, Kentucky and Tennessee, with a good sprinkling

of sturdy Puritan blood. To this is added enough emigration from other States and abroad to bring about a Cosmopolitanized population that so adapts itself to the immense territory and the varied employment offered by our resources, as to make a contented and happy people. The line of demarcation between the very rich and very poor is faint. We have no large masses of indigent or hopelessly poor. Most of them may be classed as working people and no argument as to their intelligence, honesty, industry and hospitality is needed.

The character of the people, the mild and equable climate, the endless variety of employment, the cheapness of lands, the low taxes all unite in inviting emigration. Labor here finds better wages than in any Western or Southern State. Missouri is the eighth State in assessed valuation of property. The State's bonded debt is but \$5,970,000. Missouri's  $3\frac{1}{2}$  per cent, 5-20 bonds, sell at a premium. The State tax is but twenty-five cents on \$100, assessed valuation. Only ten cents of this goes to support the Government, five being set aside for the school funds, and ten devoted to payment of interest and principal of State debt. The per capita mortgage indebtedness in Missouri is but \$80, while in States adjoining, we find it to be \$100, \$126, \$104, and \$170.

Missouri is the third State in the number of its farms, and in the number of acres of improved land; first in the production of mules, hogs, poultry and zinc; second in number of horses, hogs and quantity of lead. Since crops are largely dependent upon railroad facilities for their market value, it is well to note that Missouri has 6,750 miles of railways, so evenly distributed over the State, as to leave only seven counties without railroad shipping points within their borders. The rich mineral and timber resources of these counties assure for them roads with the return of "Prosperity."

From an educational standpoint, Missouri leads, having a public school fund of \$12,500,000, 10,500 school houses, 750,000 pupils, and over 15,000 teachers. High schools of thoroughness and finish are articulated with the State University and every facility for those desiring to become teachers is furnished by these and the three splendid Normal Schools.

When Missouri's agricultural and mineral resources are enumerated only half has been told of her possibilities, and everything points to her place, as fifth among the manufacturing States, being changed to a higher place. Some of the great manufacturing centers have to go great distances for fuel, or for raw material, but in Missouri, this is not the case. Everything needed is at hand, and a saving in freight rates enables us to make up the raw material that we have first produced and sell it to a greater advantage than any State in the Union. About one-third of the State is underlaid with coal that can be easily



mined; and another third is covered with timber for manufacture into an endless variety of useful articles or for fuel, and with the finest of water power, what more could be wished? Missouri has finer facilities for manufacturing than any State not on the seaboard, and she has advantages that counteract her loss in that respect.

A climate milder than in the New England States, enables the employes of factories to live more comfortably than in the more severe climate and where the soil must be coaxed into yielding her fruits; wheat for flour, cotton for fabrics, cotton seed for oil and feed, sheep for wool, lead and iron for refining and manufacture, and many other products are herein abundant and surrounded by facilities for making into manufactured articles. Capital alone is needed and since capital always goes where it can find best investment, all Missouri has to do to gain the rank, as a manufacturing State, she desires, is to let her riches and her possibilities but be known.

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### VALUE OF MISSOURI PRODUCTS.

---

The aggregate production of the farm staples of Missouri for 1896, with their values, computed at current market prices, was as follows:

|                 |                           | Worth.       |
|-----------------|---------------------------|--------------|
| Corn .....      | 200,000,000 bushels ..... | \$50,000,000 |
| Wheat .....     | 18,000,000 bushels .....  | 9,100,000    |
| Oats .....      | 22,000,000 bushels .....  | 8,520,000    |
| Flax Seed ..... | 500,000 bushels .....     | 825,000      |
| Potatoes .....  | 8,000,000 bushels .....   | 2,400,000    |
| Hay .....       | 3,500,000 tons .....      | 14,000,000   |
| Tobacco .....   | 7,000,000 lbs .....       | 560,000      |

The State's surplus productions actually marketed during 1896, as shown by the records of the railroad, express and boat companies, with their values, computed at prevailing current prices, were as follows:

|                          |                       | Worth.       |
|--------------------------|-----------------------|--------------|
| Cattle.....              | 1,016,760 head .....  | \$38,128,500 |
| Horses, Mules.....       | 104,861 head .....    | 4,174,440    |
| Hogs.....                | 3,142,074 head.....   | 31,994,518   |
| Sheep.....               | 319,372 head.....     | 1,117,802    |
| Mixed Live Stock.....    | 4,068 cars .....      | 3,701,890    |
| Poultry.....             | 45,486,179 lbs .....  | 8,184,732    |
| Butter.....              | 4,282,189 lbs .....   | 592,506      |
| Cheese.....              | 876,342 lbs .....     | 51,780       |
| Milk.....                | 804,948 gals .....    | 40,747       |
| Eggs.....                | 31,988,081 doz .....  | 2,557,522    |
| Flour.....               | 4,645,614 bbls.....   | 18,117,885   |
| Meal.....                | 8,443,484 lbs .....   | 84,435       |
| Mill Feed.....           | 61,150,077 lbs .....  | 305,700      |
| Apples.....              | 5,334,246 bush .....  | 167,161      |
| Dried Fruit.....         | 1,042,849 lbs .....   | 41,713       |
| Small Fruit.....         | 264,749 crates.....   | 176,500      |
| Small Fruits.....        | 88,349 baskets.....   | 25,474       |
| Cotton.....              | 18,600,000 lbs .....  | 906,000      |
| Cotton Seed Products...  | 24,000,000 lbs .....  | 480,000      |
| Wool.....                | 2,871,000 lbs .....   | 574,200      |
| Grass Seed.....          | 865,635 bush.....     | 722,128      |
| Broom Corn.....          | 1,800 tons.....       | 72,000       |
| Castor Beans.....        | 27,375 bush.....      | 21,820       |
| Molasses and Honey....   | 96,940 gals .....     | 25,900       |
| Vegetables.....          | 32,211,419 lbs .....  | 322,380      |
| Fish.....                | 1,010,715 lbs .....   | 50,535       |
| Dressed Meat.....        | 1,052,859 lbs .....   | 84,230       |
| Game.....                | 1,440,649 lbs .....   | 48,220       |
| Bacon, Lard, Tallow....  | 2,458,869 lbs .....   | 140,480      |
| Hides.....               | 9,396,318 lbs .....   | 610,754      |
| Furs, Feathers.....      | 499,406 lbs .....     | 137,847      |
| Canned Goods.....        | 5,246,767 lbs .....   | 151,170      |
| Wine, Cider.....         | 892,410 gals .....    | 331,898      |
| Lumber, Logs, Piling.... | 807,496,300 feet..... | 3,188,915    |
| Post, Cord Wood.....     | 6,371 cars.....       | 115,485      |
| Cooperage.....           | 2,634 cars.....       | 895,100      |
| Ties.....                | 2,769,676 .....       | 651,985      |
| Coal.....                | 2,420,147 tons.....   | 3,741,711    |
| Lead.....                | 65,504 tons.....      | 1,987,155    |
| Zinc.....                | 92,754 tons.....      | 1,881,966    |
| Chats.....               | 97,620 tons.....      | 39,048       |
| Barytes Tiff.....        | 17,640,000 lbs .....  | 84,880       |
| Lime, Cement.....        | 988,676 bbls.....     | 1,325,514    |
| Granite.....             | 3,101 cars.....       | 418,685      |
| Stone.....               | 8,918 cars.....       | 617,000      |
| Brick.....               | 6,473 cars.....       | 523,600      |
| Gravel, Sand, Ballast... | 17,914 cars.....      | 161,126      |

The apparent shortage in dressed meats and meat products is due to the fact that most of the packing houses of Kansas City are in Kansas and those of St. Louis being on the Illinois side, hence those States get the credit of Missouri's productions.



# AGRICULTURAL AND COUNTY STATISTICS.

## ADAIR COUNTY.

Population, 23,000.

Railroads: Wabash, A. T. & S. F. and Q. O. & K. O.

Northeast part of the State; 180 miles northwest of St. Louis; area, 570 square miles; surface rolling prairie, drained by Chariton and Salt Rivers and Bear Creek. Springs are numerous and good wells are easily obtained; soil, dark and light loam, very fertile. Ninety per cent of land is tillable and 10 per cent is in timber, consisting of oak, hickory, elm and walnut. A coal strata underlies most of the county and several small mines are operated. Limestone, sandstone and fire clay are found. Fuel is plentiful and cheap. Coal sells at 2.25 per ton; cordwood at \$2.50.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 30 bushels.            | \$0.20                | \$ 6.90                 |
| Wheat .....        | 12 bushels.            | .60                   | 5.50                    |
| Oats .....         | 28 bushels.            | .15                   | 5.00                    |
| Potatoes .....     | 100 bushels.           | .30                   | 14.00                   |
| Timothy Seed ..... | 8½ bushels.            | 1.75                  |                         |
| Timothy Hay .....  | 1½ tons.               | 6.00                  |                         |
| Clover .....       | 2 tons.                | 4.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |        |
|------------------------------|---------|-----------------------------|--------|
| Cattle, head .....           | 2,875   | Small Fruit, C. and B. .... | 58     |
| Hogs, head .....             | 22,060  | Dried Fruit, pounds .....   | 245    |
| Horses and Mules, head ..... | 1,120   | Building Brick, cars .....  | 4      |
| Sheep .....                  | 1,261   | Lumber, feet .....          | 72,000 |
| Mixed Live Stock, cars ..... | 80      | Cross Ties .....            | 45,793 |
| Wheat, bushels .....         | 4,000   | Cord Wood, Cords .....      | 259    |
| Corn, bushels .....          | 14,000  | Coal, tons .....            | 16,600 |
| Oats, bushels .....          | 27,000  | Granite, cars, .....        | 1      |
| Mixed Grain, cars .....      | 8       | Wool, pounds .....          | 46,895 |
| Hay, bales .....             | 37,047  | Cooperage, cars .....       | 14     |
| Flour, barrels .....         | 1,950   | Feathers, pounds .....      | 460    |
| Apples, barrels .....        | 9,188   | Vegetables, pounds .....    | 11,370 |
| Eggs, dozen .....            | 286,066 | Onions, bushels .....       | 2      |
| Butter pounds .....          | 87,940  | Molasses, gallons .....     | 334    |
| Poultry, pounds .....        | 203,792 | Cider, gallons .....        | 31,200 |
| Game, pounds .....           | 1,000   | Canned Goods, pounds .....  | 4,400  |
| Fish, pounds .....           | 500     | Grass Seed, bushels .....   | 5,636  |
| Hides, pounds .....          | 101,393 | Mill Feed, pounds .....     | 3,440  |
| Lard, pounds .....           | 385     | Corn Meal, pounds .....     | 500    |
| Tallow, pounds .....         | 735     |                             |        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Land, acres.....             | 360,890 | \$2,600,340 | \$ 5.90            |
| Town Lots.....               | 38,900  | 918,670     | .....              |
| Horses.....                  | 10,988  | 238,890     | 21.68              |
| Mules.....                   | 1,349   | 26,866      | 23.07              |
| Cattle.....                  | 18,121  | 286,762     | 15.06              |
| Sheep.....                   | 8,748   | 8,585       | 1.02               |
| Hogs.....                    | 17,322  | 49,084      | 2.88               |
| Money, bonds and notes.....  | .....   | 679,057     | .....              |
| Other personal property..... | .....   | 826,549     | .....              |
| Railroad property.....       | .....   | 488,790     | .....              |
| Telegraph property.....      | .....   | 6,388       | .....              |
| Total taxable wealth.....    | .....   | \$5,272,708 | .....              |

## GENERAL STATISTICS.

Average size farms, 80 acres; number acres in fruit, apples, 2,500; peach, 200; cherry, 100; small fruit, 300; average price of land, per acre, improved, \$30; unimproved, \$10; average farm wages per month, summer, \$16; winter, \$10; averagetime employed during year, 6 months; number farm hands employed, 400; average wages, domestic help, per week, \$1.50; most profitable products, wheat, corn and oats; number public schools, 77; number school teachers, 136; number pupils, 6,050; average tax levy, school purposes on \$100, 37 cents; permanent county school fund, \$50,081.59.

## CITIES AND TOWNS.

KIRKSVILLE is the county seat; population, 6,000; two railroads, the Wabash, Quincy, Omaha & Kansas City. The city has three newspapers, three banks, four public school buildings, besides the First District State Normal School, which stands at the head of all the educational institutions in Northeast Missouri. There are nine churches, six fraternal orders, the American School of Osteopathy, planing mill, foundry, flouring mill, ax handle manufactory and cigar factory. A system of water works and electric lights are owned and operated by a corporation. The main streets are macadamized and sidewalks are of stone or brick. Kirksville is a prosperous town and a good location for almost any new enterprise. Other towns in the county are as follows:

|                    | Population. |
|--------------------|-------------|
| Brashear .....     | 600         |
| Millard .....      | 200         |
| Gibbs .....        | 250         |
| Stahl .....        | 150         |
| Wilmothville ..... | 100         |
| Bullion .....      | 100         |
| Adair .....        | 75          |

## ANDREW COUNTY.

Population 18,000.

Railroads: K. C. St. J. &amp; C. B., O. &amp; G. W. and St. J. &amp; D. M.

Northwest part of State; 60 miles north of Kansas City, and 10 miles from St. Joseph; area, 420 square miles; surface undulating; drained by Nodaway and Platte Rivers; good springs, wells and cisterns; soil, dark loam and sandy, very fertile; 85 per cent tillable; 15 per cent timber, consisting of oak, hickory, elm and walnut; some coal and good building stone; also, fire clay. Fuel is reasonably plenty. Home-mined soft coal sells at \$3 per ton; wood, \$2.50 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per acre. | Av. Selling Price. | Av. Cost Production. |
|--------------------|---------------------|--------------------|----------------------|
| Corn .....         | 35 bushels.         | \$0.17             | \$ 6.00              |
| Wheat .....        | 15 bushels.         | .60                | 5.50                 |
| Rye .....          | 30 bushels.         | .42                | 5.50                 |
| Oats .....         | 25 bushels.         | .12                | 5.00                 |
| Potatoes .....     | 100 bushels.        | .20                |                      |
| Clover Seed .....  | 2 bushels.          | 4.00               |                      |
| Timothy Seed ..... | 3 bushels.          | 2.00               |                      |
| Timothy Hay .....  | 1½ tons.            | 5.00               |                      |
| Clover Hay .....   | 3 tons.             | 4.00               |                      |

## SURPLUS PRODUCTS SHIPPED.

|   |   |
|---|---|
| Cattle, Hogs and Sheep, head ... 41,294 | Poultry, Dressed Meat, Game, pounds ..... 100,673 |
| Horses and Mules, head ..... 640        | Tobacco, pounds ..... 75                          |
| Mixed Live Stock, cars ..... 38         | Milk, gallons ..... 10,630                        |
| Wheat, Corn and Oats, bushels.. 80,250  | Peaches and Plums, baskets ..... 464              |
| Hay, bales ..... 4,660                  | Cheese, pounds ..... 2,539                        |
| Flour, barrels ..... 2,789              | Dried Fruit, pounds ..... 300                     |
| Rye, bushels ..... 6,750                | Feathers, pounds ..... 360                        |
| Potatoes, bushels ..... 24              | Lime, barrels ..... 4,950                         |
| Apples, barrels ..... 33,533            | Cord Wood, cords ..... 3,248                      |
| Small Fruit, C. and B. .... 1,037       | Logs, Walnut Logs, cars ..... 15                  |
| Eggs, dozen ..... 56,635                | Lumber, feet ..... 63,000                         |
| Butter, pounds ..... 97,027             | Ship Stuff, pounds ..... 76,100                   |
| Hides and Tallow, pounds ..... 1,918    |   |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 269,530 | \$2,965,300 | \$10.96            |
| Town Lots .....               | 8,228   | 882,845     |                    |
| Horses .....                  | 10,000  | 202,415     | 20.24              |
| Mules .....                   | 2,590   | 60,558      | 23.37              |
| Cattle .....                  | 19,866  | 801,342     | 15.65              |
| Sheep .....                   | 1,633   | 2,305       | 1.45               |
| Hogs .....                    | 37,432  | 121,355     | 3.24               |
| Money, bonds and notes .....  |         | 1,026,400   |                    |
| Other personal property ..... |         | 379,405     |                    |
| Railroad property .....       |         | 548,181     |                    |
| Telegraph property .....      |         | 7,797       |                    |
| Total taxable wealth .....    |         | \$5,977,903 |                    |

## GENERAL STATISTICS.

Average size farms, 80 acres; number acres in fruit, apples, 2,000; peach, 200; cherry, 100; small fruit, 150; average price farm land per acre, improved, \$48; unimproved, \$15; average farm wages, per month, summer, \$18; winter, \$12; average time employed during year 7 months; number farm hands employed, 550; average wages, domestic help, per week, \$2; most profitable products, corn, hay, stock; number public schools, 86; number teachers, 122; number of pupils, 5,326; average tax levy school purposes on \$100, 47 cents; permanent school fund, \$56,163.25.

## CITIES AND TOWNS.

SAVANNAH is the county seat; population, 1,800; two railroads, K. C., St. J. & C. B. and Chicago & Great Western; three newspapers, two banks, one public school building, seven churches, eight fraternal orders, cigar factory and flouring mill. Savannah is lighted by electricity, plant owned by the city. A canning factory is desired and could be operated with profit. Other towns in the county are:

|                   | Population. |
|-------------------|-------------|
| Bolckow .....     | 500         |
| Rosendale .....   | 500         |
| Amazonia .....    | 400         |
| Fillmore .....    | 400         |
| Cosby .....       | 250         |
| Helena .....      | 200         |
| Whitesville ..... | 200         |
| Rea .....         | 200         |
| Rochester .....   | 150         |

## ATCHISON COUNTY.

Population 18,500.

Railroads: K. C. St. J. & C. B., C. B. & Q., R. P., L. & N.

Northwest corner county; 108 miles from Kansas City; 60 miles northwest of St. Joseph; area, 560 square miles; surface undulating; central and eastern part, rolling prairie; deep black loam with clay subsoil; western part, bordering on the Missouri River, is very rich bottom. The county is drained by the Missouri and the Big Tarkio River and its branches. The county is watered by numerous springs and excellent wells. Several flowing wells have been struck at a depth of 150 to 200 feet. Ninety per cent of the land is tillable; balance in timber,

principally oak, hickory, elm and walnut. Building stone and shale for the manufacture of vitrified brick are found. There is enough wood in the county to supply the local demand for fuel; price, \$2 to \$4 per cord. Coal retails at \$3 and \$3.50 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 40 bushels.            | \$0.15                | \$ 6.25                 |
| Wheat .....        | 15 bushels.            | .55                   | 6.00                    |
| • Oats .....       | 30 bushels.            | .14                   | 5.00                    |
| Rye .....          | 17 bushels.            | .40                   | 5.50                    |
| Potatoes .....     | 125 bushels.           | .15                   |                         |
| Clover Seed .....  | 2 bushels.             | 4.00                  |                         |
| Timothy Seed ..... | 3 bushels.             | 1.75                  |                         |
| Timothy Hay .....  | 3 tons.                | 6.00                  |                         |
| Clover Hay .....   | 3 tons.                | 4.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                |           |                                |         |
|--------------------------------|-----------|--------------------------------|---------|
| Cattle, Hogs and Sheep, head.. | 85,481    | Dressed Meat, pounds .....     | 376     |
| Horses and Mules, head.....    | 330       | Hides and Furs, pounds .....   | 133,476 |
| Wheat and Corn, bushels .....  | 1,015,500 | Tallow, pounds .....           | 17,960  |
| Oats and Rye, bushels .....    | 22,800    | Grapes, baskets .....          | 184     |
| Hay, bales .....               | 4,660     | Cheese, pounds .....           | 275     |
| Flour, barrels .....           | 300       | Dried Fruit, pounds .....      | 305     |
| Potatoes, bushels .....        | 1,250     | Cord Wood, cords .....         | 35      |
| Apples, barrels .....          | 24,237    | Grass Seed and Barley, bush .. | 1,291   |
| Small Fruit, C. and B .....    | 48        | Building Brick, cars .....     | 11      |
| Eggs, dozen .....              | 70,472    | Onions, bushels .....          | 650     |
| Butter, pounds .....           | 17,993    | Fish, pounds .....             | 965     |
| Poultry and Game, pounds ..... | 137,127   |                                |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.                | No.     | Value.             | Average<br>Valuation. |
|-----------------------------------|---------|--------------------|-----------------------|
| Land, acres .....                 | 330,147 | \$3,786,093        | \$11.81               |
| Town Lots .....                   | 5,508   | 634,935            |                       |
| Horses .....                      | 10,960  | 223,963            | 20.33                 |
| Mules .....                       | 2,778   | 71,280             | 25.65                 |
| Cattle .....                      | 23,607  | 359,299            | 15.22                 |
| Sheep .....                       | 534     | 870                | 1.62                  |
| Hogs .....                        | 42,991  | 159,759            | 3.71                  |
| Money, bonds and notes .....      |         | 1,020,215          |                       |
| Other personal property .....     |         | 664,168            |                       |
| Railroad property .....           |         | 465,680            |                       |
| Telegraph property .....          |         | 6,908              |                       |
| <b>Total taxable wealth .....</b> |         | <b>\$7,341,648</b> |                       |

## GENERAL STATISTICS.

Average size farms, 120 acres (barring about 25,000 acres owned by one individual); number acres in fruit, apples, 2,500; peach, 100;



cherry, 200; small fruit, 200; average price farm land per acre, improved, \$45; unimproved, \$25; average farm wages per month, summer, \$17; winter, \$10; average time employed during year, 6 months; number farm hands employed, 500; average wages, domestic help, per week, \$2; most profitable products, corn, cattle, hogs; number public schools, 87; number school teachers, 130; number pupils, 5,255; average tax levy school purposes on \$100, .. cents; permanent school fund, \$106,979.29.

### CITIES AND TOWNS.

ROCKPORT is the county seat; population, 1,200; located at terminus of the Rockport, Langdon & Northern Railroad. It has three newspapers, two banks, one public school, five churches, six fraternal orders and flouring mill; water works and electric light owned by the city. Good location for canning factory, vinegar and cheese factories. The other towns are:

TRAKIO the principal town in the county; population, 2,000; located near the center of the county on the Tarkio Valley branch of the K. C., St. J. and C. B. Ry. It has two newspapers, two banks, six churches, five fraternal orders, a flouring mill, brick yard, planing mill, foundry and machine shop. Splendid system of electric lights and water works owned by a corporation. Fine public school and seat of Tarkio College (United Presbyterian), one of the leading institutions of learning in the State.

|                   | Population. |
|-------------------|-------------|
| Fairfax .....     | 800         |
| Wesboro .....     | 300         |
| Watson .....      | 200         |
| Phelps City ..... | 150         |
| Langdon .....     | 50          |
| Nishnabotna ..... | 50          |

### AUDRAIN COUNTY.

Population 24,950.

Railroads: Wabash, C. & A. and Branches.

Northeastern central part of State; 105 miles from St. Louis; area, 680 square miles; gently undulating prairie; soil, rich loam; drained by Salt River and its tributaries; excellent wells and cisterns. Ninety per cent of land in cultivation; white oak, hickory and walnut timber, in small quantities. Coal under greater part of the county; five mines in operation. Soft limestone for building and paving and a fine quality

of fire clay for brick, tile and pottery are found. Price of coal, 8 cents per bushel; wood, \$3 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels.            | \$0.18                | \$ 6.00                 |
| Wheat .....        | 12 bushels.            | .65                   | 6.25                    |
| Oats .....         | 30 bushels.            | .14                   | 5.00                    |
| Clover Seed .....  | 8 bushels.             | 3.75                  |                         |
| Timothy Seed ..... | 3½ bushels.            | 2.00                  |                         |
| Potatoes .....     | 150 bushels.           | .15                   |                         |
| Timothy Hay .....  | 1½ tons.               | 6.00                  |                         |
| Clover Hay .....   | 2 tons.                | 5.00                  |                         |

### SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 19,075  | Feathers, pounds .....      | 19,359  |
| Hogs, head .....             | 53,343  | Small Fruit, C. and B. .... | 14      |
| Horses and Mules, head ..... | 2,100   | Building Brick, cars .....  | 221     |
| Sheep, head .....            | 10,990  | Fire Brick, cars .....      | 15      |
| Mixed Live Stock, cars ..... | 8       | Lumber, feet .....          | 30,000  |
| Wheat, bushels .....         | 1,000   | Cross Ties .....            | 180     |
| Corn, bushels .....          | 228,500 | Wool, pounds .....          | 140,000 |
| Oats, bushels .....          | 141,750 | Cord Wood, cords .....      | 21      |
| Hay, bales .....             | 80,027  | Coal, tons .....            | 7,980   |
| Flax Seed, bushels .....     | 10,500  | Fire Clay, cars .....       | 5       |
| Flour, barrels .....         | 18,839  | Cooperage, cars .....       | 24      |
| Eggs, dozen .....            | 555,205 | Ship Stuff, pounds .....    | 46,000  |
| Butter, pounds .....         | 52,399  | Grass Seed, bushels .....   | 6,643   |
| Poultry, pounds .....        | 828,264 | Vegetables, pounds .....    | 24,000  |
| Dressed Meat, pounds .....   | 2,610   | Honey, pounds .....         | 1,500   |
| Game, pounds .....           | 4,625   | Molasses, gallons .....     | 110     |
| Hides, pounds .....          | 38,883  | Cider, gallons .....        | 170     |
| Lard, pounds .....           | 161     | Nursery Stock, pounds ..... | 500     |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 433,180 | \$3,784,990 | \$ 8.73               |
| Town Lots .....               | 4,800   | 1,208,540   |                       |
| Horses .....                  | 12,567  | 508,925     | 24.57                 |
| Mules .....                   | 4,845   | 108,535     | 24.97                 |
| Cattle .....                  | 21,209  | 779,710     | 18.18                 |
| Sheep .....                   | 14,983  | 15,845      | 1.02                  |
| Hogs .....                    | 28,961  | 89,960      | 2.96                  |
| Money, bonds and notes .....  |         | 1,174,890   |                       |
| Other personal property ..... |         | 978,415     |                       |
| Railroad property .....       |         | 1,263,945   |                       |
| Telegraph property .....      |         | 20,240      |                       |
| Total taxable wealth .....    |         | \$9,280,485 |                       |

### GENERAL STATISTICS.

Average size farms, 90 acres; number acres in fruit, apples, 2,500; small fruit, 200; average price land per acre, improved, \$45; unimproved,

ed, \$15; average farm wages per month, summer, \$15; winter, \$10; number farm hands employed, 400; average wages, domestic help, per week, \$2; most profitable industry, stock raising; number public schools, 113; number school teachers, 152; number pupils, 7,151; average tax levy school purposes on \$100, 43 cents; permanent school fund, \$24,182.79.

### CITIES AND TOWNS.

MEXICO is the county seat; population, 7,000; two railroads, Wabash and C. and A. It has two newspapers, three banks, three public schools, nine churches, nine fraternal orders; also, two flouring mills, two cigar factories, woolen mill, ice plant and foundry; water works and electric light plant owned by corporations. Streets are macadamized and in fine condition. Hardin College (Baptist), one of the largest female schools in the State, is located here. The other towns are:

|                   | Population. |
|-------------------|-------------|
| Vandalia .....    | 1,200       |
| Laddonia .....    | 650         |
| Martinsburg ..... | 450         |
| Farber .....      | 350         |
| Benton City ..... | 200         |

### BARRY COUNTY.

Population 27,500.

Railroads: St. L. & S. F.

Southwest part of State, bordering on Arkansas; 180 miles south of Kansas City; area, 810 square miles; rolling prairie and timber land; dark sandy loam, very rich in the valleys; White, King's and Roaring Rivers, with their tributaries and many fine springs furnish water. Timber is abundant, especially white and post oak, from which large quantities of piling and cross ties are cut; also, cedar and pine; fine building stone, lead, zinc and iron exist in paying quantities. Wood is the principal fuel and sells at \$1.50 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels.            | \$0.30                | \$ 6.50                 |
| Wheat .....       | 12 bushels.            | .60                   | 6.00                    |
| Oats .....        | 25 bushels.            | .20                   | 5 00                    |
| Potatoes .....    | 100 bushels.           | .25                   | 14.00                   |
| Clover Seed ..... | 8 bushels.             | 3.50                  | 8.50                    |
| Clover Hay .....  | 2 tons.                | 6.00                  | 7.00                    |
| Timothy Hay ..... | 1½ tons.               | 7.00                  | 7.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 3,075   | Dried Fruit, pounds .....   | 34,841  |
| Hogs, head .....             | 4,828   | Tallow, pounds .....        | 18,688  |
| Horses and Mules, head ..... | 220     | Wool, pounds .....          | 5,740   |
| Sheep, head .....            | 720     | Cotton, bales .....         | 25      |
| Mixed Live Stock, cars ..... | 49      | Lumber, feet .....          | 144,000 |
| Wheat, bushels .....         | 131,000 | Ship Stuff, pounds .....    | 15,100  |
| Corn, bushels .....          | 1,000   | Cross Ties .....            | 80,460  |
| Hay, bales .....             | 233     | Piling, cars .....          | 23      |
| Flour, barrels .....         | 12,104  | Posts, cars .....           | 111     |
| Potatoes, bushels .....      | 879     | Cord Wood, cords .....      | 2,079   |
| Apples, barrels .....        | 1,233   | Stone, cars .....           | 38      |
| Corn Meal, pounds .....      | 20,000  | Feathers, pounds .....      | 2,300   |
| Small Fruit, C. and B. ....  | 10,850  | Furs, pounds .....          | 100     |
| Eggs, dozen .....            | 819,748 | Lard, pounds .....          | 175     |
| Butter, pounds .....         | 32,637  | Vegetables, pounds .....    | 27      |
| Poultry, pounds .....        | 604,865 | Onions, bushels .....       | 3       |
| Dressed Meat, pounds .....   | 3,032   | Nursery Stock, pounds ..... | 30,880  |
| Game, pounds .....           | 25,852  | Molasses, gallons .....     | 78      |
| Hides, pounds .....          | 47,713  | Castor Beans, pounds .....  | 2,130   |
| Tobacco, pounds .....        | 1,525   | Nuts, bushels .....         | 8       |
| Strawberries, crates .....   | 6,484   | Clover Seed, bushels .....  | 6       |
| Cheese, pounds .....         | 705     |                             |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 436,810 | \$1,878,425 | \$ 4.80            |
| Town Lots.....               | 8,809   | 596,840     | .....              |
| Horses.....                  | 8,888   | 184,061     | 20.75              |
| Mules.....                   | 3,078   | 69,879      | 22.77              |
| Cattle.....                  | 13,844  | 113,808     | 8.52               |
| Sheep.....                   | 7,499   | 7,600       | 1.00               |
| Hogs.....                    | 33,036  | 50,571      | 1.52               |
| Money, bonds and notes.....  | .....   | 167,990     | .....              |
| Other personal property..... | .....   | 312,412     | .....              |
| Railroad property.....       | .....   | 838,762     | .....              |
| Telegraph property.....      | .....   | 5,069       | .....              |
| Total taxable wealth .....   | .....   | \$3,528,877 | .....              |

## GENERAL STATISTICS.

Average size farms, 100 acres; number acres in fruit, apples, 6,000; peach, 1,200; cherry, 80; small fruit, 300; average price farm land per acre, improved, \$25; unimproved, \$4.50; average farm wages per month, summer, \$15; winter, \$12; number farm hands employed, 450; average number months employed, 7; average wages, domestic help, per week, \$1.25; most profitable industry, stock raising and feeding; number public schools, 104; number teachers, 122; number pupils, 9,742; average school tax levy on \$100, 71 cents; permanent school fund \$13,928.45.

## CITIES AND TOWNS.

CASSVILLE is the county seat; population, 1,000; on the Cassville and Western Railroad, connecting with the Frisco at Exeter. It has two newspapers, two banks, four churches, four fraternal orders, one public school, one flouring mill. Cooperage and canning works are needed. Other towns are:

|                | Population. |
|----------------|-------------|
| Monett .....   | 3,000       |
| Purdy .....    | 400         |
| Exeter .....   | 350         |
| Washburn ..... | 300         |
| Seligman ..... | 300         |
| Viola .....    | 50          |
| Golden .....   | 50          |

## BARTON COUNTY.

Population 22,500.

Railroads: Mo. Pac., K. C. Ft. S. & M. and P. & G.

Southwestern part of State, bordering on Kansas; 120 miles south of Kansas City; area, 612 square miles; surface nearly level; nine-tenths prairie, balance in timber, consisting of oak, hickory and walnut; soil, fertile sandy loam, drained by north branch of Spring River, and its tributaries. Water plenty and easily obtained from springs, wells and cisterns. Limestone for building, sandstone for paving and fire clay for pottery, exist in large quantities. The greater part of the county is underlaid with good soft coal. Nine regular mines and many "stripped" mines are worked. Fuel is plentiful; coal sells at \$2 per ton and wood at \$2 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1886.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn.....         | 25 bushels.            | \$0.20                | \$ 4.90                 |
| Wheat .....       | 10 bushels.            | .55                   | 5.00                    |
| Oats.....         | 23 bushels.            | .30                   | 4.50                    |
| Flax.....         | 8 bushels.             | .60                   | 4.75                    |
| Potatoes .....    | 100 bushels.           | .20                   | 10.00                   |
| Timothy Seed..... | 3 bushels.             | 1.75                  | 4.50                    |
| Timothy Hay.....  | 1½ tons.               | 5.50                  | 3.00                    |
| Prairie Hay.....  | 1½ tons.               | 8.25                  | 2.80                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                                 |           |
|------------------------------|---------|---------------------------------|-----------|
| Cattle, head .....           | 10,635  | Lumber, feet .....              | 220,000   |
| Hogs, head .....             | 24,007  | Walnut Logs, cars .....         | 2         |
| Horses and Mules, head ..... | 1,580   | Cord Wood, cords .....          | 14        |
| Sheep, head .....            | 990     | Coal, tons .....                | 47,080    |
| Mixed Live Stock, cars ..... | 12      | Stone, cars .....               | 144       |
| Wheat, bushels .....         | 7,500   | Sand, cars .....                | 2         |
| Corn, bushels .....          | 32,500  | Wool, pounds .....              | 4,507     |
| Oats, bushels .....          | 14,500  | Cooperage, cars .....           | 83        |
| Mixed Grain, cars .....      | 3       | Vegetables and fruits, pounds.. | 2,600,776 |
| Hay, bales .....             | 400,000 | Dried Fruits, pounds .....      | 4,618     |
| Flour, barrels .....         | 4,450   | Molasses, gallons .....         | 438       |
| Apples, barrels .....        | 7,038   | Nursery Stock, pounds .....     | 185       |
| Eggs, dozen .....            | 59,521  | Canned Goods, pounds .....      | 1,200     |
| Butter, pounds .....         | 109,990 | Peaches and Grapes, baskets ..  | 1,126     |
| Poultry, pounds .....        | 260,121 | Blackberries, crates .....      | 13,942    |
| Dressed Meat, pounds .....   | 21,131  | Strawberries, crates .....      | 6,706     |
| Game, pounds .....           | 89,201  | Nuts, bushels .....             | 33        |
| Fish, pounds .....           | 265     | Ship Stuff, pounds .....        | 9,500     |
| Hides, pounds .....          | 36,647  | Grass Seed, bushels .....       | 1,772     |
| Tallow, pounds .....         | 1,893   | Flax Seed, bushels .....        | 100,182   |
| Furs, pounds .....           | 1,240   | Flax, pounds .....              | 570,000   |
| Building Brick, cars .....   | 2       | Feathers, pounds .....          | 2,388     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 369,611 | \$2,961,595 | \$ 8.06            |
| Town Lots.....               | 4,895   | 742,877     | .....              |
| Horses.....                  | 11,416  | 235,575     | 20.65              |
| Mules.....                   | 2,488   | 60,495      | 24.06              |
| Oattle.....                  | 16,082  | 197,689     | 12.09              |
| Sheep.....                   | .....   | 2,384       | .77                |
| Hogs.....                    | .....   | 45,167      | 2.81               |
| Money, bonds and notes ..... | .....   | 806,798     | .....              |
| Other personal property..... | .....   | 211,721     | .....              |
| Railroad property.....       | .....   | 968,149     | .....              |
| Telegraph property.....      | .....   | 9,776       | .....              |
| Total taxable wealth .....   | .....   | \$5,754,701 | .....              |

## GENERAL STATISTICS.

Average size farms, 120 acres; number acres in fruit, apples, 7,000, peach, 600; cherry, 300; grapes, 350; blackberries, 1,200; strawberries, 200; average price farm land, improved, \$25; unimproved, \$12.50; average farm wages per month, summer, \$15; winter, \$12; average time employed during year, 6 months; number farm hands employed, 600; average wages, domestic help, per week, \$1.50; most profitable products, corn, oats, hay, fruit and stock; number public schools, 100; number teachers, 143; number pupils, 6,627; permanent school fund, \$75, 907.53.

## CITIES AND TOWNS.

LAMAR is the county seat; population, 4,000; is located near the center of the county, on the Missouri Pacific and Kansas City, Ft. Scott and Memphis Railroads. It has three newspapers, three banks, seven churches, seven fraternal orders, three public school buildings, one private school and Lamar College, recently organized, with every prospect of becoming a strong educational institution; one flouring mill, foundry and machine shop, carriage factory and three cigar factories. An electric light and water system is operated by a corporation. The streets are nicely graded and graveled. Sidewalks are wholly of stone and brick. A fruit evaporator and canning factory could be operated with profit and a brick yard is badly needed. Lamar is one of the most desirable locations in the State. Other towns are:

|                    | Population. |
|--------------------|-------------|
| Golden City .....  | 1,200       |
| Liberal .....      | 1,000       |
| Minden Mines ..... | 300         |
| Iantha .....       | 200         |
| Kenoma .....       | 150         |
| Irving .....       | 150         |
| Milford .....      | 100         |
| Boston .....       | 75          |

## BATES COUNTY.

Population 86,000.

Railroads: Mo. Pac., M. K. & T. and P. & G.

Western part of State, bordering on Kansas; 60 miles south of Kansas City; area, 874 square miles; surface gently rolling; soil, rich sandy loam; drained by Osage and Grand Rivers and their tributaries. Water abundant and easily obtained. About 85 per cent of land is under cultivation; considerable timber along the streams, principally oak, hickory and walnut. An abundance of coal is found in the western and southern portions of the county; 28 mines are operated; five are shafts, nine slopes, two drifts and twelve are strip pits. Limestone for building and clay for brick and pottery are found in good quantities. Fuel is cheap; coal selling at \$1.50 to \$2.50 per ton and wood at \$3 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1895.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production |
|--------------------|------------------------|-----------------------|------------------------|
| Corn .....         | 81 bushels.            | \$0.18                | \$ 5.50                |
| Wheat .....        | 45 bushels.            | .55                   | 5.25                   |
| Oats .....         | 30 bushels.            | .14                   | 4.50                   |
| Flax .....         | 8 bushels.             | .55                   | 5.00                   |
| Potatoes .....     | 100 bushels.           | .20                   | 11.00                  |
| Olover Seed .....  | 3 bushels.             | 8.00                  | 5.50                   |
| Timothy Seed ..... | 4 bushels.             | 1.25                  | 5.50                   |
| Timothy Hay .....  | 1½ tons.               | 5.00                  | 4.50                   |
| Olover Hay .....   | 2 tons.                | 4.50                  | 5.00                   |
| Prairie Hay .....  | 1½ tons.               | 3.50                  | 3.50                   |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |           |
|------------------------------|---------|-----------------------------|-----------|
| Cattle, head .....           | 22,500  | Walnut Logs, cars .....     | 6         |
| Hogs, head .....             | 51,304  | Cord Wood, cords .....      | 791       |
| Horses and Mules, head ..... | 2,342   | Coal, tons .....            | 299,840   |
| Sheep, head .....            | 990     | Spelter, pounds .....       | 2,370,000 |
| Mixed Live Stock, cars ..... | 90      | Tar, cars .....             | 1         |
| Wheat, bushels .....         | 37,717  | Wool, pounds .....          | 8,597     |
| Corn, bushels .....          | 304,000 | Tobacco, pounds .....       | 13        |
| Oats, bushels .....          | 97,500  | Cooperage, cars .....       | 4         |
| Mixed Grain, bushels .....   | 4,200   | Coke, cars .....            | 8         |
| Hay, bales .....             | 231,200 | Mill Feed, pounds .....     | 561,200   |
| Flax, pounds .....           | 90,000  | Grass Seed, bushels .....   | 6,078     |
| Flour, barrels .....         | 50,682  | Flax Seed, bushels .....    | 96,800    |
| Potatoes, bushels .....      | 459     | Corn Meal, pounds .....     | 9,440     |
| Apples, barrels .....        | 833     | Feathers, pounds .....      | 738       |
| Eggs, dozen .....            | 496,163 | Furs, pounds .....          | 75        |
| Butter, pounds .....         | 103,125 | Vegetables, pounds .....    | 28,970    |
| Poultry, pounds .....        | 317,981 | Dried Fruit, pounds .....   | 65        |
| Dressed Meat pounds .....    | 2,850   | Molasses, gallons .....     | 256       |
| Game, pounds .....           | 42,114  | Cheese, pounds .....        | 16,644    |
| Fish, pounds .....           | 515     | Nursery Stock, pounds ..... | 10,950    |
| Hides, pounds .....          | 106,433 | Apple Butter, pounds .....  | 175       |
| Tallow, pounds .....         | 10,420  | Broom Corn, pounds .....    | 11,125    |
| Small Fruit, C. and B. ....  | 196     | Nuts, bushels .....         | 645       |
| Building Brick, cars .....   | 12      | Castor Beans, pounds .....  | 31,960    |
| Lumber, feet .....           | 9,000   | Pop Corn, bushels .....     | 28        |
| Logs, cars .....             | 14      |                             |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 535,747 | \$5,096,306 | \$ 9.51               |
| Town Lots .....               | 9,160   | 1,228,290   |                       |
| Horses .....                  | 17,992  | 410,890     | 22.88                 |
| Mules .....                   | 4,894   | 101,001     | 22.98                 |
| Cattle .....                  | 26,883  | 574,743     | 13.81                 |
| Sheep .....                   | 1,980   | 11,960      | .99                   |
| Hogs .....                    | 32,658  | 115,222     | 8.42                  |
| Money, bonds and notes .....  |         | 420,147     |                       |
| Other personal property ..... |         | 752,708     |                       |
| Railroad property .....       |         | 849,994     |                       |
| Telegraph property .....      |         | 10,897      |                       |
| Total taxable wealth .....    |         | \$9,312,996 |                       |



## GENERAL STATISTICS.

Average size farms, 120 acres (excepting about 30,000 acres owned by one person); acreage in fruit, apples, 8,000; peach, 800; cherry, 200; berries, 200; average price farm land improved, \$35; unimproved, \$15; average farm wages per month, summer, \$15; winter, \$10; number farm hands employed, 700; average number months employed, 7; average wages domestic help, per week, \$2; most profitable products, corn, fruit, stock; number public schools, 141; number teachers, 193; number pupils, 10,629; permanent school fund, \$64,720.30.

## CITIES AND TOWNS.

BUTLER is the county seat; population, about 4,000; located on the Missouri Pacific Railroad. It has four newspapers, three banks, nine churches, eight fraternal orders, two public school buildings and one academy; three mills, one carriage factory, cigar factory and brick yard. The city is lighted by electricity and supplied with water by corporations. The streets are partly macadamized and sidewalks are of granitoid and brick. Other towns are:

RICH HILL, population, 4,000; principal railroad center in the county and the largest coal mining center in the State.

|                 | Population. |
|-----------------|-------------|
| Adrian .....    | 1,200       |
| Hume .....      | 800         |
| Rockville ..... | 500         |
| Amsterdam ..... | 300         |
| Merwin .....    | 300         |

## BENTON COUNTY.

Population 17,200.

Railroads: Mo. Pac. (Branch.)

West central part of the State; 100 miles southeast of Kansas City and 35 miles south of Sedalia; area, 744 square miles; northern portion of county, rich, rolling prairie; central and southern part, woodland; prairie and river bottom, sandy loam and very productive. Large quantities of oak, hickory and ash are sawed and exported. The county is well watered by the Osage and Grand Rivers and many creeks and springs. Limestone and iron, lead and zinc have been discovered. Wood, the principal fuel, is abundant and very cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels.            | \$0.20                | \$ 5.25                 |
| Wheat .....       | 8 bushels.             | .60                   | 5.00                    |
| Oats .....        | 30 bushels.            | .15                   | 4.00                    |
| Rye .....         | 10 bushels.            | .40                   | 4.75                    |
| Potatoes .....    | 75 bushels.            | .35                   | 11.00                   |
| Flax .....        | 6 bushels.             | .50                   | 5.00                    |
| Timothy Hay ..... | 1½ tons.               | 6.00                  | 5.25                    |
| Prairie Hay ..... | 1 ton.                 | 4.00                  | 4.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 6,475   | Dried Fruit, pounds .....   | 831     |
| Hogs, head .....             | 35,230  | Tallow, pounds .....        | 3,072   |
| Horses and Mules, head ..... | 5       | Feathers, pounds .....      | 1,585   |
| Sheep, head .....            | 3,080   | Furs, pounds .....          | 1,030   |
| Mixed Live Stock, cars ..... | 32      | Lumber, feet .....          | 126,000 |
| Wheat, bushels .....         | 500     | Logs, cars .....            | 11      |
| Hay, bales .....             | 11,417  | Posts, cars .....           | 1       |
| Flour, barrels .....         | 664     | Cross Ties .....            | 34,346  |
| Potatoes, bushels .....      | 50      | Cord Wood, cords .....      | 3,773   |
| Apples, barrels .....        | 42      | Building Brick, cars .....  | 6       |
| Corn Meal, pounds .....      | 2,425   | Cooperage, cars .....       | 4       |
| Small Fruit, C. and B. ....  | 101     | Vegetables, pounds .....    | 880     |
| Eggs, dozen .....            | 377,240 | Timothy Seed, bushels ..... | 50      |
| Butter, pounds .....         | 71,402  | Onions, bushels .....       | 7       |
| Poultry, pounds .....        | 269,378 | Honey, pounds .....         | 20      |
| Dressed Meat, pounds .....   | 1,859   | Molasses, gallons .....     | 194     |
| Game, pounds .....           | 4,697   | Cider, gallons .....        | 10      |
| Hides, pounds .....          | 50,884  | Nuts, bushels .....         | 20      |
| Tobacco, pounds .....        | 54      | Fish, pounds .....          | 65      |
| Wool, pounds .....           | 26,633  | Stone, cars .....           | 1       |
| Cheese, pounds .....         | 325     |                             |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 439,426 | \$2,087,965 | \$ 4.63               |
| Town Lots .....               | 720     | 168,078     |                       |
| Horses .....                  | 8,618   | 176,206     | 20.44                 |
| Mules .....                   | 2,591   | 55,821      | 21.85                 |
| Cattle .....                  | 19,638  | 216,796     | 11.08                 |
| Sheep .....                   | 7,851   | 7,911       | 1.00                  |
| Hogs .....                    | 28,314  | 51,777      | 2.22                  |
| Money, bonds and notes .....  |         | 818,018     |                       |
| Other personal property ..... |         | 187,887     |                       |
| Railroad property .....       |         | 84,247      |                       |
| Telegraph property .....      |         | 2,258       |                       |
| Total taxable wealth .....    |         | \$3,859,711 |                       |

## GENERAL STATISTICS.

Average size farms, 100 acres; fruit acreage, apples, 2,000; peach, 600; cherry, 75; average price improved land, \$22.50; unimproved, \$4;

average farm wages per month, summer, \$14; winter, \$10; average number months employed, 6; average number farm hands employed, 250; average weekly wages, domestic help, \$1.50; most profitable products, corn, hay and stock; number public schools, 93; number teachers, 105; number pupils, 5,941; permanent school fund, not reported.

### TOWNS.

**WARSAW** is the county seat; population, 1,000. It is the terminus of the Missouri Pacific branch from Sedalia. The town has two newspapers, two banks, two schools, four churches, four fraternal orders, and one mill. Several small manufacturies might be operated with profit. Streets are graded and well graveled. Other towns are:

|                 | Population. |
|-----------------|-------------|
| Coal Camp ..... | 700         |
| Lincoln .....   | 500         |

Also several villages.

### BOLLINGER COUNTY.

Population 14,300.

Railroads: St. L. I. M. & S., C. G. & Ft. S. and B. & N.

Southeastern part of State; 100 miles south of St. Louis; area, 616 square miles; surface uneven and largely forest; soil in valleys, fertile; drained by numerous small streams. There are many springs and good wells. Eighty per cent. of the land is tillable, but 70 per cent is in timber, consisting of hickory, oak, pine and walnut. Iron ore and porcelain clay abound; also, limestone for building purposes. Fuel is cheap and abundant.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn.....          | 25 bushels.            | \$0.30                | \$ 6.00                 |
| Wheat .....        | 12 bushels.            | .60                   | 5.50                    |
| Oats .....         | 25 bushels.            | .20                   | 5.25                    |
| Potatoes .....     | 100 bushels.           | .25                   | 14.00                   |
| Oleiver Seed ..... | 2½ bushels.            | 3.50                  | 7.90                    |
| Timothy Hay.....   | 1½ tons.               | 6.00                  | 6.95                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |        |
|------------------------------|---------|-----------------------------|--------|
| Cattle, head .....           | 525     | Feathers, pounds .....      | 11,540 |
| Hogs, head .....             | 4,440   | Small Fruit, C. and B. .... | 270    |
| Sheep, head .....            | 810     | Dried Fruit, pounds .....   | 49,097 |
| Mixed Live Stock, cars ..... | 18      | Strawberries, crates .....  | 6,224  |
| Wheat, bushels .....         | 8,500   | Beeswax, pounds .....       | 240    |
| Corn, bushels .....          | 500     | Lumber, feet .....          | 50,000 |
| Hay, bales .....             | 233     | Logs, cars .....            | 20     |
| Clover Seed, bushels .....   | 448     | Cross Ties .....            | 98,640 |
| Eggs, dozen .....            | 279,946 | Clay and Gravel, cars ..... | 34     |
| Poultry, pounds .....        | 708,342 | Wool, pounds .....          | 7,832  |
| Dressed Meat, pounds .....   | 944     | Cooperage, cars .....       | 127    |
| Hides, pounds .....          | 7,571   | Cotton Seed, pounds .....   | 20,634 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 358,459 | \$1,262,827 | \$ 3.52            |
| Town Lots .....              | 1,076   | 104,085     | .....              |
| Horses .....                 | 5,247   | 116,563     | 22.21              |
| Mules.....                   | 1,944   | 50,570      | 26.01              |
| Cattle .....                 | 11,179  | 71,480      | 6.89               |
| Sheep .....                  | 11,449  | 12,890      | 1.08               |
| Hogs .....                   | 23,070  | 34,980      | 1.51               |
| Money, bonds and notes ..... | .....   | 209,940     | .....              |
| Other personal property..... | .....   | 166,270     | .....              |
| Railroad property.....       | .....   | 194,514     | .....              |
| Telegraph property .....     | .....   | 8,141       | .....              |
| Total taxable wealth .....   | .....   | \$2,280,970 | .....              |

## GENERAL STATISTICS.

Average size farms, 100 acres; fruit acreage, apple, 2,000; peach, 1,000; small fruit, 150; average price improved land, per acre, \$15; unimproved, \$4; average farm wages per month, \$13 year round; average number months employed,  $5\frac{1}{2}$ ; average farm hands employed, 140; weekly wages, domestic help, \$1.50; most profitable industry, cattle raising; number public schools, 77; number teachers, 79; number pupils, 5,096; average school tax levy on \$100, 40 cents; permanent school fund, \$39,865.91.

## TOWNS.

MARBLE HILL, population, 500; terminus of Brownwood and Northwestern Railroad; one public school, three churches, four fraternal orders, and two newspapers. Opening for several manufacturing enterprises. Other towns are:

|                     | Population. |
|---------------------|-------------|
| Lutesville .....    | 600         |
| Glen Allen .....    | 250         |
| Lafin .....         | 200         |
| Zalma .....         | 200         |
| Patton .....        | 200         |
| Sedgwickville ..... | 150         |

## BOONE COUNTY.

Population 28,000.

Railroads: O. &amp; A., Wabash and M. K. &amp; E.

Central part of State, bordering Missouri River on the north; 150 miles west of St. Louis; area, 680 square miles; rolling prairie and timber land; soil light and dark loam, very fertile; drained by Hinkston, Cedar and Rocker Creeks. Plenty of springs, good wells and cisterns. Seventy per cent of land tillable; 30 per cent in timber, consisting of walnut, hickory, oak and ash. Coal is mined on a limited scale in nearly every township in the county. Good brick clay and building stone are abundant. Fuel is abundant. Coal sells at \$2 per ton, and wood, \$2.50 per cord. The public roads of the county are in excellent condition.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 85 bushels.            | \$0.20                | \$ 6.25                 |
| Wheat .....        | 15 bushels.            | .67                   | 6.00                    |
| Oats .....         | 80 bushels.            | .12                   | 5.00                    |
| Potatoes .....     | 150 bushels.           | .20                   | 15.00                   |
| Clover Seed .....  | 2½ bushels.            | 4.00                  |                         |
| Timothy Seed ..... | 3 bushels.             | 2 00                  |                         |
| Timothy Hay .....  | 1½ tons.               | 6.00                  |                         |
| Clover Hay .....   | 2 tons.                | 5.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                           |         |
|------------------------------|-----------|---------------------------|---------|
| Cattle, head .....           | 16,325    | Logs, cars .....          | 13      |
| Hogs, head .....             | 74,260    | Walnut Logs, cars .....   | 7       |
| Horses and Mules, head ..... | 3,442     | Cross Ties .....          | 19,503  |
| Sheep, head .....            | 11,704    | Cord Wood, cords .....    | 140     |
| Mixed Live Stock, cars ..... | 25        | Lead Ore, cars .....      | 1       |
| Wheat, bushels .....         | 65,500    | Iron Ore, cars .....      | 1       |
| Corn, bushels .....          | 25,500    | Lime, barrels .....       | 150     |
| Oats, bushels .....          | 16,500    | Stone, cars .....         | 2       |
| Mixed Grain, bushels .....   | 600       | Tar, cars .....           | 2       |
| Hay, bales .....             | 26,133    | Wool, pounds .....        | 151,345 |
| Flour, barrels .....         | 3,270     | Tobacco, pounds .....     | 400     |
| Potatoes, bushels .....      | 1,851     | Cooperage, cars .....     | 51      |
| Apples, barrels .....        | 180       | Feathers, pounds .....    | 26,284  |
| Eggs, dozen .....            | 441,417   | Furs, pounds .....        | 1,539   |
| Butter, pounds .....         | 11,160    | Corn Meal, pounds .....   | 17,050  |
| Poultry, pounds .....        | 1,220,495 | Grass Seed, bushels ..... | 4,767   |
| Dressed Meat, pounds .....   | 7,209     | Ship Stuff, pounds .....  | 62,150  |
| Game, pounds .....           | 1,948     | Molasses, gallons .....   | 1,863   |
| Fish, pounds .....           | 600       | Cheese, pounds .....      | 30      |
| Hides, pounds .....          | 111,128   | Broom Corn, cars .....    | 1       |
| Tallow, pounds .....         | 20,807    | Pop Corn, bushels .....   | 57      |
| Small Fruit, C. and B. ....  | 79        | Nuts, bushels .....       | 78      |
| Dried Fruit, pounds .....    | 11,815    | Onions, bushels .....     | 15      |
| Lumber, feet .....           | 504,000   |                           |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Land, acres.....             | 428,069 | \$3,727,355 | \$ 8.81            |
| Town Lots.....               | 4,572   | 1,894,080   | .....              |
| Horses.....                  | 9,319   | 227,130     | 27.58              |
| Mules.....                   | 3,783   | 107,785     | 28.87              |
| Cattle.....                  | 15,622  | 237,810     | 15.22              |
| Sheep.....                   | 7,215   | 14,260      | 1.97               |
| Hogs.....                    | 20,577  | 58,455      | 2.84               |
| Money, bonds and notes.....  | .....   | 1,226,555   | .....              |
| Other personal property..... | .....   | 900,636     | .....              |
| Railroad property.....       | .....   | 764,222     | .....              |
| Telegraph property.....      | .....   | 12,487      | .....              |
| Total taxable wealth.....    | .....   | \$9,800,845 | .....              |

## GENERAL STATISTICS.

Average size farms, 100 acres; fruit acreage, apples, 2,000; peach, 250; small fruit, 100; average price land per acre, improved, \$45; unimproved, \$15; average farm wages per month, summer, \$16; winter, \$10; average number months employed, 5; average number farm hands employed, 500; average weekly wages, domestic help, \$2; most profitable industries, raising stock, corn and wheat; number public schools, 118; number teachers, 165; number pupils, 8,959; average school tax levy on \$100, 40 cents; permanent school fund, \$34,432.89.

## CITIES AND TOWNS.

COLUMBIA, the county seat; population, 5,000; is located near the center of the county on a branch of the Wabash Railroad. The city has four newspapers, three banks, two public schools, seven churches, five fraternal orders, a flouring mill, two planing mills, wagon factory, cigar factory, pressed brick factory and several smaller manufacturing concerns. Columbia is also the seat of the Missouri State University, Christian Female College and Stephens' College. The city has splendidly macadamized and paved streets and an excellent system of water works and electric lights furnished by a corporation. A woolen mill, furniture factory and foundry are needed and could be operated with profit. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Centralia .....  | 1,700       |
| Sturgeon .....   | 800         |
| Rochepoint ..... | 700         |
| Ashland .....    | 400         |
| Harrisburg ..... | 135         |

## BUCHANAN COUNTY.

Population 84,226.

Railroads: K. C. St. J. & C. B., C. & G. W., C. B. & Q., C. R. I. & P., H. & St. J.  
and A. T. & S. F.

Northwestern part of State, bordering on Missouri River; area, 420 square miles; rolling prairie, with abundant timber along streams; soil, sandy loam, very fertile, especially the bottom lands. The county is drained by the Missouri River, the Platte, One Hundred and Two, Blacksnake and Bee Creek. Eighty per cent of the land is tillable and about 20 per cent is in timber of the usual varieties. Plenty of building stone and fire clay is found. Fuel is plenty. Wood retails at \$2.50 per cord and coal sells at \$2.50 and \$3.50 per ton. Buchanan is the third county in the State in population and wealth.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 35 bushels.            | \$0.18                | \$ 6.25                 |
| Wheat .....       | 15 bushels.            | .70                   | 6.00                    |
| Oats .....        | 28 bushels.            | .15                   | 5.00                    |
| Potatoes .....    | 150 bushels.           | .30                   |                         |
| Timothy Hay ..... | 1½ tons.               | 6 50                  |                         |
| Clover Hay .....  | 2 tons.                | 6.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|   |           |                             |           |
|---|-----------|-----------------------------|-----------|
| Cattle and Hogs, head .....                     | 22,418    | Cross Ties .....            | 362       |
| Horses and Mules, head .....                    | 137       | Cord Wood, cords .....      | 371       |
| Sheep, head .....                               | 1,821     | Sand, cars .....            | 23        |
| Wheat, Corn, Oats, bushels ...                  | 447,000   | Tobacco, pounds .....       | 162       |
| Hay, bales .....                                | 75,233    | Dried Fruits, pounds .....  | 517       |
| Flour, barrels .....                            | 260,310   | Vegetables, pounds .....    | 1,418,000 |
| Potatoes, bushels .....                         | 6,423     | Honey, pounds .....         | 1,755     |
| Apples, barrels .....                           | 17,503    | Molasses, gallons .....     | 179       |
| Eggs, dozen .....                               | 22,286    | Nursery Stock, pounds ..... | 135       |
| Butter, pounds .....                            | 3,896     | Beeswax, pounds .....       | 45        |
| Poultry, Dressed Meat and<br>Game, pounds ..... | 50,682    | Pop Corn, bushels .....     | 15        |
| Fish, pounds .....                              | 5,132     | Strawberries, crates .....  | 1,243     |
| Hides, pounds .....                             | 653       | Peaches, baskets .....      | 128       |
| Feathers, pounds .....                          | 490       | Nuts, bushels .....         | 6         |
| Small Fruit, C. and B. ....                     | 88        | Mill Feed, pounds .....     | 2,605,000 |
| Lumber, feet .....                              | 2,061,000 | Rye, bushels .....          | 1,500     |
| Logs and Posts, cars .....                      | 24        | Timothy Seed, bushels ..... | 450       |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.       | Average Valuation. |
|------------------------------|---------|--------------|--------------------|
| Lands, acres.....            | 245,880 | \$4,869,896  | \$19.84            |
| Town Lots.....               | 29,000  | 16,870,849   | .....              |
| Horses.....                  | 9,949   | 238,906      | 24.00              |
| Mules.....                   | 2,887   | 80,515       | \$7.88             |
| Cattle.....                  | 14,275  | 196,899      | 13.72              |
| Sheep.....                   | 1,880   | 1,985        | 1.48               |
| Hogs.....                    | 19,813  | 48,220       | 2.48               |
| Money, bonds and notes.....  |         | 2,711,580    | .....              |
| Other personal property..... |         | 8,867,694    | .....              |
| Railroad property.....       |         | 1,912,668    | .....              |
| Telegraph property.....      |         | 26,483       | .....              |
| Total taxable wealth.....    |         | \$80,628,877 | .....              |

## GENERAL STATISTICS.

Average size farms, 100 acres; fruit acreage, apples, 3,500; peach, 200; cherry, 200; small fruit, 400; average price improved land per acre, \$55; unimproved, \$25; average farm wages, per month, summer, \$15; winter, \$12; average number months employed, 7; average number farm hands, 500; average weekly wages, domestic help, \$2.25; most profitable industry, stock raising; number public schools, 100; number school teachers, 245; number pupils, 28,689; average school tax levy on \$100, 43 cents; permanent school fund, \$87,902.95.

## CITIES AND TOWNS.

ST. JOSEPH, the county seat; population, 65,000; is the metropolis and the third city in size in the State. All the railroads in the county center here. It has 22 newspapers (4 daily), 7 banks, sixty-one churches, representing most every religious denomination, and twenty-six fraternal orders. The city supports a fine public school system and sixteen separate educational institutions. The water works, electric lights, gas and street car systems of the city are as complete as can be found in any Western city of its class. The streets are well paved with granite, brick and asphalt and the city has a splendidly equipped and most efficient fire department. As a wholesale and jobbing point St. Joseph stands at the head of the list and her manufacturing interests, of which an extended mention is made in the report of manufacturies, are rapidly increasing. The towns in the county are as follows:

|                    | Population. |
|--------------------|-------------|
| Rushville .....    | 800         |
| Saxton .....       | 500         |
| Willow Brook ..... | 150         |
| Stockbridge .....  | 150         |
| Easton .....       | 150         |



## BUTLER COUNTY.

Population 14,500.

Railroads: St. L. I. M. &amp; S.

Southeast part of State, bordering on Arkansas line; 130 miles south of St. Louis; area, 716 square miles; surface nearly level; mostly timber, consisting of pine, oak, hickory and cypress; soil, dark loam, very fertile on low lands. Some marshy land which is being redeemed by drainage; uplands, clay loam. Black River and its tributaries, together with the St. Francois, drain the county. Eighty per cent of the land can be tilled. Building stone and porcelain clay are found. Wood for fuel is plenty and sells at \$2 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                  | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....       | 25 bushels             | \$0.25                | \$ 6.00                 |
|       | Wheat.....       | 9 bushels              | .50                   | 5.50                    |
|       | Oats.....        | 25 bushels             | .22                   | 5.00                    |
|       | Potatoes .....   | 100 bushels            | .40                   | 15.00                   |
|       | Timothy Hay..... | 1½ tons                | 10.00                 |                         |
|       | Clover Hay ..    | 2 tons                 | 9.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |       |                             |           |
|------------------------------|-------|-----------------------------|-----------|
| Cattle, head .....           | 475   | Game, pounds .....          | 70        |
| Hogs, head .....             | 800   | Hides, pounds .....         | 445       |
| Horses and Mules, head ..... | 28    | Furs, pounds .....          | 1,759     |
| Mixed Live Stock, cars ..... | 5     | Small Fruit, C. and B. .... | 110       |
| Corn, bushels .....          | 500   | Lumber, feet .....          | 4,437,000 |
| Cotton Seed, bushels .....   | 3,600 | Wagon Lumber, cars .....    | 13        |
| Cotton, bales .....          | 320   | Posts, cars .....           | 2         |
| Wool, pounds .....           | 100   | Cross Ties .....            | 180       |
| Eggs, cases .....            | 1,630 | Piling, cars .....          | 10        |
| Poultry, pounds .....        | 1,315 | Cooperage, cars .....       | 136       |
| Dressed Meat, pounds .....   | 200   |                             |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres.....             | 399,753 | \$1,280,564 | \$ 3.07               |
| Town Lots.....                |         | 487,889     |                       |
| Horses .....                  | 8,422   | 82,874      | 24.21                 |
| Mules .....                   | 960     | 22,968      | 28.95                 |
| Cattle .....                  | 9,192   | 60,397      | 6.59                  |
| Sheep .....                   | 1,524   | 1,564       | 1.02                  |
| Hogs .....                    | 15,689  | 20,480      | 1.54                  |
| Money, bonds and notes .....  |         | 147,414     |                       |
| Other personal property ..... |         | 163,689     |                       |
| Railroad property .....       |         | 666,702     |                       |
| Telegraph property .....      |         | 6,979       |                       |
| Total taxable wealth .....    |         | \$2,881,490 |                       |



JEFFERSON CITY BRIDGE, JEFFERSON CITY, MO.



## GENERAL STATISTICS.

Average size farms, 80 acres; fruit acreage, apples, 350; peach, 150; small fruit, 75; average price land, improved, \$15; unimproved, \$3.50; average farm wages per month, summer, \$13; winter, \$14; average time employed during year, 5½ months; number farm hands employed, 300; average weekly wages, domestic help, \$1.75; most profitable products, stock and lumber; number public schools, 61; number school teachers, 70; number pupils, 4,851; average school tax levy on \$100, 52 cents; permanent county school fund, \$34,345.07.

## CITIES AND TOWNS.

POPLAR BLUFF, the county seat; has a population of 5,000; located near center of county on the St. L., I. M. and Southern. It has three newspapers, one bank, two public schools, eight churches, six fraternal orders. There are two stave factories, two saw and planing mills, ice plant, furniture factory and several smaller concerns. Fine system of water works owned by the city; electric light plant owned by a corporation. Flouring mill and canning works are desired. Other towns are:

|                   | Population. |
|-------------------|-------------|
| Neelyville .....  | 600         |
| Fisk .....        | 200         |
| Ash Hill .....    | 100         |
| Hendrickson ..... | 100         |

## CALDWELL COUNTY.

Population 18,000.

Railroads: H. & St. J., O. M. & St. P. and H. & K.

Northwest central part of the State; 50 miles north of Kansas City; area, 430 square miles; surface rolling prairie and soil rich black loam and very productive; drained by Shoal, Long and Log Creeks and several small streams. Only 15 per cent of surface covered with timber of varieties of walnut and oak, and 85 per cent of land tillable. Considerable coal is found in the county and some lead and zinc. Good pottery clay is found in abundance. Pure water is found near the surface, besides many never-failing springs. Wood for fuel may be had at \$2 per cord and coal at \$2 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Average Yield per acre. | Average Selling Price. | Average Cost Production. |
|-------------------|-------------------------|------------------------|--------------------------|
| Corn .....        | 35 bushels.             | \$0.18                 | \$ 6.00                  |
| Wheat .....       | 12 bushels.             | .65                    | 5.50                     |
| Oats .....        | 25 bushels.             | .14                    | 5.00                     |
| Potatoes.....     | 150 bushels.            | .30                    | 14.00                    |
| Timothy Seed..... | 3½ bushels.             | 2.00                   |                          |
| Clover Seed ..... | 2 bushels.              | 3.50                   |                          |
| Clover Hay .....  | 2 tons.                 | 5.00                   |                          |
| Timothy Hay.....  | 1½ tons.                | 5.50                   |                          |

## SURPLUS PRODUCTS SHIPPED.

|                                    |         |                           |         |
|------------------------------------|---------|---------------------------|---------|
| Cattle, Hogs, Sheep, head .....    | 82,800  | Lumber, feet .....        | 9,000   |
| Horses and Mules, head .....       | 2,109   | Walnut Logs, cars .....   | 9       |
| Mixed Live Stock, cars .....       | 9       | Cord Wood, cords .....    | 23      |
| Wheat, Corn and Oats, bushels..... | 135,280 | Coal, tons .....          | 4,700   |
| Hay, bales .....                   | 19,572  | Stone, cars .....         | 46      |
| Flour, barrels .....               | 720     | Wool, pounds .....        | 211,605 |
| Apples, barrels .....              | 6,604   | Cooperage, cars .....     | 1       |
| Eggs, dozen .....                  | 526,083 | Feathers, pounds .....    | 1,890   |
| Butter, pounds .....               | 65,037  | Furs, pounds .....        | 744     |
| Poultry and Game, pounds .....     | 594,797 | Mill Feed, pounds .....   | 21,635  |
| Dressed Meat, pounds .....         | 310     | Grass Seed, bushels ..... | 450     |
| Fish, pounds .....                 | 100     | Rye, bushels .....        | 700     |
| Hides and Tallow, pounds .....     | 162,920 | Vegetables, pounds .....  | 40,000  |
| Small Fruit, C. and B. ....        | 326     | Cheese, pounds .....      | 20,199  |
| Dried Fruit, pounds .....          | 5,020   | Milk, gallons .....       | 20,000  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 272,108 | \$2,683,970 | \$ 9.87            |
| Town Lots.....               | 4,300   | 553,789     |                    |
| Horses .....                 | 10,240  | 219,900     | 21.47              |
| Mules .....                  | 1,710   | 88,929      | 22.77              |
| Cattle .....                 | 18,181  | 265,157     | 15.48              |
| Sheep .....                  | 17,076  | 16,767      | .98                |
| Hogs .....                   | 32,151  | 104,020     | 3.23               |
| Money, bonds and notes ..... |         | 636,769     |                    |
| Other personal property..... |         | 389,021     |                    |
| Railroad property .....      |         | 646,933     |                    |
| Telegraph property .....     |         | 6,482       |                    |
| Total taxable wealth .....   |         | \$5,511,727 |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; fruit acreage, apples, 2,500; cherry, 200; small fruits, 250; average price of land, improved per acre, \$35; unimproved, \$12.50; average farm wages per month, summer, \$16; winter, \$12; average time employed during year, 6 months; number of farm hands employed, 450; average weekly wages, domestic help, \$1.50;

most profitable products, corn and stock; number of public schools, 84; number of school teachers, 146; number of pupils, 5,098; average school tax levy on \$100, 41 cents; permanent county school fund, \$47,464.12.

### CITIES AND TOWNS.

KINGSTON is the county seat and has a population of 700. It is the terminus of the H. and K. Railroad; has two newspapers, one bank, one public school, three churches, five fraternal orders and a flouring mill. There is a good opening for a pottery factory. Other towns are:

|                    | Population. |
|--------------------|-------------|
| Hamilton .....     | 2,000       |
| Breckinridge ..... | 1,200       |
| Braymer .....      | 1,000       |
| Kidder .....       | 750         |
| Polo .....         | 700         |
| Cowgill .....      | 650         |

### CALLAWAY COUNTY.

Population 26,000.

Railroads: C. & A. and M. K. & E.

Eastern central part of State, bordering Missouri River; 125 miles west of St. Louis; area, 760 square miles; surface undulating; prairie and woodland in about equal proportion. Eighty per cent of the land tillable; soil, black and sandy loam, very fertile in bottoms; timber principally oak, ash, walnut and maple. The county is drained by Cedar Creek and other small streams; watered by abundant wells, springs and cisterns. Enough coal is produced in the county to supply the local demand. There are also fine deposits of fire clay and limestone. Iron has been discovered. Fuel is abundant. Coal sells at \$1.50 per ton and wood at \$2 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per acre. | Av. Selling Price. | Av. Cost Production. |
|--------------------|---------------------|--------------------|----------------------|
| Corn .....         | 35 bushels          | \$0.20             | \$ 6.25              |
| Wheat.....         | 15 bushels          | .60                | 6.00                 |
| Oats.....          | 25 bushels          | .14                | 5.00                 |
| Potatoes .....     | 150 bushels         | .20                | 14.00                |
| Clover Seed .....  | 2 bushels           | 3.50               |                      |
| Timothy Seed ..... | 3 bushels           | 2.00               |                      |
| Timothy Hay.....   | 1½ tons             | 5.50               |                      |
| Clover Hay .....   | 2 tons              | 5.00               |                      |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                                 |         |
|------------------------------|---------|---------------------------------|---------|
| Cattle, head .....           | 7,182   | Dried Fruit, pounds .....       | 679     |
| Hogs, head .....             | 45,428  | Tallow, pounds .....            | 625     |
| Horses and Mules, head ..... | 1,105   | Lard, pounds .....              | 1,500   |
| Sheep, head .....            | 6,391   | Feathers, pounds .....          | 838     |
| Mixed Live Stock, cars ..... | 5       | Furs, pounds .....              | 670     |
| Wheat, bushels .....         | 78,500  | Lumber, feet .....              | 234,000 |
| Corn, bushels .....          | 13,000  | Logs, cars .....                | 6       |
| Hay, bales .....             | 932     | Cross Ties .....                | 12,725  |
| Flour, barrels .....         | 1,569   | Cord Wood, cords .....          | 63      |
| Flax Seed, bushels .....     | 2,500   | Fire Brick, cars .....          | 385     |
| Potatoes, bushels .....      | 12      | Sewer Pipe and Tile, cars ..... | 166     |
| Apples, barrels .....        | 276     | Coal, tons .....                | 1,940   |
| Small Fruit, C. and B. ....  | 17      | Fire Clay, cars .....           | 45      |
| Eggs, dozen .....            | 84,589  | Cooperage, cars .....           | 27      |
| Butter, pounds .....         | 1,251   | Wool, pounds .....              | 14,449  |
| Poultry, pounds .....        | 164,746 | Ship Stuff, pounds .....        | 17,156  |
| Hides, pounds .....          | 22,524  | Clover Seed, bushels .....      | 698     |
| Tobacco, pounds .....        | 11,992  | Nuts, bushels .....             | 39      |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 515,992 | \$3,200,985 | \$ 6.22            |
| Town Lots.....               | 3,413   | 841,990     | .....              |
| Horses .....                 | 9,828   | 221,815     | 22.52              |
| Mules .....                  | 4,268   | 105,617     | 25.30              |
| Cattle .....                 | 17,690  | 230,400     | 13.02              |
| Sheep .....                  | 28,240  | 29,087      | 1.25               |
| Hogs .....                   | 25,799  | 70,991      | 2.75               |
| Money, bonds and notes ..... | .....   | 1,000,128   | .....              |
| Other personal property..... | .....   | 513,297     | .....              |
| Railroad property .....      | .....   | 628,275     | .....              |
| Telegraph property .....     | .....   | 8,024       | .....              |
| Total taxable wealth .....   | .....   | \$6,868,944 | .....              |

## GENERAL STATISTICS.

Average size of farms, 110 acres; fruit acreage, apples, 2,000; peach, 100; small fruit, 200; average price land, improved, \$35; unimproved, \$12; average farm wages per month, summer, \$15; winter, \$10; average time employed during year, 6 months; number of farm hands in county, 375; average wages, domestic help, per week, \$1.50; most profitable products, wheat, corn, stock; number public schools, 132; number school teachers, \$147; number pupils, 7,856; average school tax levied on \$100, 43 cents; permanent school fund, \$18,396.29.

## CITIES AND TOWNS.

FULTON, the county seat; has a population of 5,000; located near the center of the county on C. and A. Railroad. There are in the city four newspapers, three banks, nine churches, six fraternal orders, two public schools, besides Westminster College, Synodical College, Christian Orphan School and State Asylum for the Insane,

No. 1. In the line of manufactures, there is a flouring mill, two cigar factories, brick yard, pottery and a few other small institutions. A splendid system of water works and electric lights are owned by the city. The streets and sidewalks are in good condition. A woolen mill and carriage factory are desired. Other towns are

|                  | Population. |
|------------------|-------------|
| Auxvasse .....   | 400         |
| Cedar City ..... | 200         |

## CAMDEN COUNTY.

Population 12,000.

Railroads: St. L. & S. F.

Located in the southern central part of the State; 50 miles south of Jefferson City; area, 692 square miles; surface very broken and hilly; scenery picturesque and inspiring. One of the largest springs in the United States forms one of many natural attractions. The county is well drained by the Osage, Niagua and numerous small streams. The soil is rich and productive and of a clay variety. Only 45 per cent of the land is tillable and balance is covered with timber, consisting of hard wood of all kinds. Wood sells at \$1.50 per cord. There is a trace of mineral and some good building stone.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.28                | \$ 6.00                 |
| Wheat .....       | 10 bushels             | .55                   | 5.75                    |
| Oats .....        | 26 bushels             | .20                   | 5.00                    |
| Potatoes .....    | 75 bushels             | .40                   | 10.00                   |
| Timothy Hay ..... | 1½ tons                | 8.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 4,150   | Pelts, pounds .....         | 1,500   |
| Hogs, head .....             | 14,160  | Dried Fruit, pounds .....   | 2,920   |
| Horses and Mules, head ..... | 1,700   | Feathers, pounds .....      | 1,200   |
| Sheep, head .....            | 900     | Tallow, pounds .....        | 25      |
| Flour, barrels .....         | 25      | Beeswax, pounds .....       | 10      |
| Apples, barrels .....        | 750     | Nursery Stock, pounds ..... | 4,620   |
| Wool, pounds .....           | 1,040   | Logs, cars .....            | 330     |
| Eggs, dozen .....            | 360,000 | Walnut Logs, cars .....     | 100     |
| Butter, pounds .....         | 333     | Cross Ties .....            | 300,000 |
| Poultry, pounds .....        | 50,660  | Piling, cars .....          | 125     |
| Game, pounds .....           | 3,500   | Ship Stuff, pounds .....    | 2,700   |
| Hides, pounds .....          | 26,325  |                             |         |



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 398,082 | \$734,882   | \$ 2.38            |
| Town Lots.....               | 616     | 29,966      | .....              |
| Horses.....                  | 4,962   | 101,624     | 20.52              |
| Mules.....                   | 1,483   | 31,947      | 21.14              |
| Cattle.....                  | 16,783  | 86,961      | 7.97               |
| Sheep.....                   | 9,039   | 7,841       | .86                |
| Hogs.....                    | 18,804  | 30,154      | 1.60               |
| Money, bonds and notes.....  | .....   | 59,111      | .....              |
| Other personal property..... | .....   | 25,286      | .....              |
| Railroad property.....       | .....   | 43,410      | .....              |
| Telegraph property.....      | .....   | 586         | .....              |
| Total taxable wealth.....    | .....   | \$1,219,648 | .....              |

## GENERAL STATISTICS.

Average size of farms: 30 acres; fruit acreage: apple, 1,000; peach, 300; cherry, 150; average price of land, improved, \$10; unimproved, \$2.50; average farm wages per month, summer, \$13; winter, \$10; average time employed during year, 6 months; number of farm hands employed, 250; average weekly wages, domestic help, \$1.25; most profitable products, corn, grass and stock; number of public schools, 73; number of teachers, 81; number of pupils, 4,522; average school tax levy on \$100, 60 cents; permanent county school fund, \$17,787.76.

## TOWNS.

LINN CREEK is the county seat and has a population of 400. It has no railroad. There are two newspapers, one bank, four church organizations, one public school, three fraternal orders, one of the largest springs in the country, which flows from the hillside, forming a large lake. A large hotel has been erected on its bank and the vicinity is rapidly becoming famous as a pleasure resort. Other towns are:

|                      | Population. |
|----------------------|-------------|
| Climax Springs ..... | 300         |
| Stoutland .....      | 200         |
| Max Creek .....      | 150         |

## CAPE GIRARDEAU COUNTY.

Population 24,000.

Railroads: St. L. I. M. & S. and St. L. C. G. & Ft. S.

Southeast part of State, bordering on the Mississippi River; 150 miles south of St. Louis; area 540 square miles; surface mostly level;

considerable swampy land; soil very fertile. Much of the county is in forest and about 80 per cent of the land is tillable. Whitewater and its branches drain the county. Marble, crystalline limestone and good building stone are much quarried; also, pure white clay, lead and iron. The timber consists of white and black oak, poplar, ash, gum and hickory. Wood retails at \$2 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 40 bushels             | \$0.25                | \$ 6.25                 |
| Wheat .....        | 18 bushels             | .65                   | 6.00                    |
| Oats .....         | 25 bushels             | .25                   | 5.50                    |
| Potatoes .....     | 75 bushels             | .40                   | 15.00                   |
| Clover Seed .....  | 2 bushels              | 4.00                  | 7.50                    |
| Timothy Seed ..... | 2½ bushels             | 2.00                  | 7.25                    |
| Timothy Hay .....  | 2 tons                 | 9.00                  |                         |
| Clover Hay .....   | 2 tons                 | 8.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |           |
|------------------------------|---------|-----------------------------|-----------|
| Cattle, head .....           | 4,206   | Corn Meal, pounds .....     | 200,200   |
| Hogs, head .....             | 19,532  | Lumber, feet .....          | 1,868,000 |
| Horses and Mules, head ..... | 344     | Cord Wood, cords .....      | 574       |
| Sheep, head .....            | 7,084   | Lime, barrels .....         | 3,450     |
| Wheat, bushels .....         | 61,200  | Wool, pounds .....          | 46,885    |
| Corn, bushels .....          | 2,000   | Feathers, pounds .....      | 12,335    |
| Hay, bales .....             | 4,660   | Building Brick, cars .....  | 89        |
| Flour, barrels .....         | 106,016 | Logs, cars .....            | 200       |
| Potatoes, bushels .....      | 267     | Stone, cars .....           | 6         |
| Eggs, dozen .....            | 233,229 | Cooperage, cars .....       | 168       |
| Butter, pounds .....         | 70,479  | Furs, pounds .....          | 2,975     |
| Poultry, pounds .....        | 704,183 | Vegetables, pounds .....    | 229,995   |
| Dressed Meat, pounds .....   | 104,652 | Cider, gallons .....        | 790       |
| Game, pounds .....           | 943     | Nursery Stock, pounds ..... | 1,000     |
| Hides, pounds .....          | 108,029 | Fruit, pounds .....         | 164,542   |
| Lard, pounds .....           | 133,522 | Mill Feed, pounds .....     | 6,885,000 |
| Tallow, pounds .....         | 19,540  | Grass Seed, bushels .....   | 4,637     |
| Small Fruit, C. and B .....  | 4,118   |                             |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Land, acres .....             | 356,071 | \$2,852,960 | \$ 6.60               |
| Town Lots .....               | 2,889   | 988,520     |                       |
| Horses .....                  | 6,154   | 148,900     | 24.17                 |
| Mules .....                   | 2,617   | 62,706      | 23.96                 |
| Cattle .....                  | 9,580   | 79,015      | 8.24                  |
| Sheep .....                   | 7,308   | 8,185       | 1.12                  |
| Hogs .....                    | 20,838  | 58,165      | 1.95                  |
| Money, bonds and notes .....  |         | 718,865     |                       |
| Other personal property ..... |         | 879,696     |                       |
| Railroad property .....       |         | 308,088     |                       |
| Telegraph property .....      |         | 6,484       |                       |
| Total taxable wealth .....    |         | \$5,096,422 |                       |

## GENERAL STATISTICS.

Average size of farms, 150 acres; fruit acreage, apple, 4,000; peach, 1,000; small fruit, 140; average price of land, improved \$30; unimproved, \$5; farm wages per month, summer, \$15; winter, \$15; time employed during year, 6 months; number farm hands in county, 700; weekly wages, domestic help, \$1.50; most profitable products, cattle, hogs, sheep; number public schools, 89; number school teachers, 106; number pupils, 8,081; average school tax levy on \$100, 49 cents; permanent school fund, \$37,632.86.

## TOWNS.

**JACKSON**, the county seat; population, 1,400; is located near the center of the county on a branch of the St. Louis, Iron Mountain & Southern Railroad. It has three newspapers, two banks, two public schools, nine churches, three fraternal orders, two flouring mills, stave and cooperage works, brick and tile factory, ice plant and creamery.

**CAPE GIRARDEAU**, the largest town in the county; population, 5,000; is located on the Mississippi River, and is the terminus of the St. Louis, Cape Girardeau and Fort Smith Railroad. The town has two newspapers, four banks, two flouring mills, large lime kilns, a fine public school system and is the site of the State Normal School for the Third District. Other towns are:

|                      | Population. |
|----------------------|-------------|
| Oak Ridge .....      | 250         |
| Millersville .....   | 150         |
| Appleton .....       | 100         |
| Allenville .....     | 100         |
| Beaufordsville ..... | 100         |

## CARROLL COUNTY.

Population 28,000.

Railroads: O. B. & K. C., A. T. & S. F. and Wabash.

Located in the north central part of the State; 60 miles from Kansas City; with an area of 690 square miles. Northern part is a rolling prairie, with timber along water courses, and the southern part is level bottom land, very productive. The soil is a black, sandy loam. Ninety per cent of the land is tillable and balance timber, all underlaid with good quality of coal, which is mined extensively. The streams of the county are small and unimportant.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 40 bushels             | \$0.18                | \$ 6.25                 |
| Wheat .....        | 18 bushels             | .60                   | 6.00                    |
| Oats .....         | 85 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 200 bushels            | .25                   | 18.50                   |
| Clover Seed .....  | 2 bushels              | 8.50                  | 5.50                    |
| Timothy Seed ..... | 34 bushels             | 1.75                  |                         |
| Timothy Hay .....  | 2½ tons                | 5.00                  | 5.00                    |
| Tobacco .....      | 1000 pounds            | 5.00 per cwt.         |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |           |
|------------------------------|---------|-----------------------------|-----------|
| Cattle, head .....           | 23,954  | Dried Fruit, pounds .....   | 934       |
| Hogs, head .....             | 60,398  | Building Brick, cars .....  | 17        |
| Horses and Mules, head ..... | 1,880   | Lumber, feet .....          | 72,000    |
| Sheep, head .....            | 3,690   | Walnut Logs, cars .....     | 7         |
| Wheat, bushels .....         | 298,500 | Stone, cars .....           | 122       |
| Corn, bushels .....          | 150,000 | Wool, pounds .....          | 34,810    |
| Oats, bushels .....          | 17,250  | Cooperage, cars .....       | 12        |
| Mixed Grain, cars .....      | 3       | Feathers, pounds .....      | 8,082     |
| Hay, bales .....             | 1,621   | Furs, pounds .....          | 2,100     |
| Flour, barrels .....         | 26,192  | Honey, pounds .....         | 200       |
| Apples, barrels .....        | 23,922  | Onions, bushels .....       | 1,354     |
| Potatoes, bushels .....      | 2,700   | Vegetables, pounds .....    | 1,392,937 |
| Tobacco, pounds .....        | 44,740  | Cheese, pounds .....        | 2,943     |
| Eggs, dozen .....            | 230,942 | Cider, gallons .....        | 190       |
| Butter, pounds .....         | 40,226  | Nursery Stock, pounds ..... | 5,300     |
| Poultry, pounds .....        | 715,220 | Canned Goods, pounds .....  | 450       |
| Dressed Meat, pounds .....   | 10,914  | Pop Corn, bushels .....     | 44        |
| Game, pounds .....           | 29,115  | Peaches, baskets .....      | 476       |
| Fish, pounds .....           | 2,800   | Beeswax, pounds .....       | 1,049     |
| Hides, pounds .....          | 133,967 | Grass Seed, bushels .....   | 1,300     |
| Lard, pounds .....           | 13,840  | Hemp Seed, bushels .....    | 3,690     |
| Tallow, pounds .....         | 16,821  | Corn Meal, pounds .....     | 822,300   |
| Small Fruit, C. and B .....  | 4,979   | Mill Feed, pounds .....     | 146,000   |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average<br>Valuation. |
|------------------------------|---------|-------------|-----------------------|
| Land, acres.....             | 436,216 | \$4,598,803 | \$10.54               |
| Town Lots.....               | 4,881   | 1,043,507   |                       |
| Horses.....                  | 14,300  | 800,945     | 21.04                 |
| Mules.....                   | 5,429   | 125,157     | 23.05                 |
| Cattle.....                  | 22,627  | 316,703     | 18.99                 |
| Sheep.....                   | 5,358   | 5,240       | .97                   |
| Hogs.....                    | 45,182  | 110,614     | 2.44                  |
| Money, bonds and notes.....  |         | 910,101     |                       |
| Other personal property..... |         | 1,010,872   |                       |
| Railroad property.....       |         | 1,209,078   |                       |
| Telegraph property.....      |         | 16,283      |                       |
| Total taxable wealth.....    |         | \$9,647,803 |                       |

## GENERAL STATISTICS.

Average size of farms, 100 acres; fruit acreage, apple, 3,000; peach, 100; small fruits, 350; average price of land, improved, \$40; unimproved, \$20; average farm wages per month, summer, \$18; winter, \$12, average time employed during year, 7 months; number of farm hands employed, 600; average weekly wages, domestic help, \$2; most profitable products, corn, tobacco and stock; number public schools, 126; number teachers, 184; number pupils, 8,514; average school tax levy on \$100, 52 cents; permanent county school fund, \$63,545.56.

## CITIES AND TOWNS.

CARROLLTON, the county seat, is a city of 4,500 people, and is situated on the C. B. & K. C., A. T. & S. F. and Wabash Railroads. There are two banks, two newspapers, two public school buildings, ten church organizations, seven fraternal orders, farm implement manufactory, wagon manufactory, two flouring mills, brick and tile factory. Machine shops and canning factory are wanted. The city has wide, clean streets, water works and is lighted by electricity. Water and light plants are owned by a corporation. Other towns in the county are:

|                        | Population. |
|------------------------|-------------|
| Norborne .....         | 1,100       |
| Hale .....             | 1,000       |
| Bosworth .....         | 700         |
| Wakenda .....          | 300         |
| Bogard .....           | 300         |
| South Carrollton ..... | 175         |

## CARTER COUNTY.

Population 8,000.

Railroads: St. L. O. G. & Ft. S. and Current River R. R.

Southern part of State; 150 miles south of St. Louis; area, 688 square miles; surface, hilly, with much timber; soil, black, sandy loam in bottoms; hill lands covered with heavy pine, oak and walnut forests. The county is well watered by the Current River and its branches. Copper, iron, zinc and lead are found. Lumbering is the principal industry and large quantities of yellow pine and oak are exported annually. Wood is the only fuel, worth \$1.50 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 35 bushels             | \$0.85                | \$ 6.25                 |
| Wheat .....      | 10 bushels             | .60                   | 6.00                    |
| Oats .....       | 20 bushels             | .80                   | 5.25                    |
| Potatoes .....   | 110 bushels            | .40                   | 15.00                   |
| Timothy Hay..... | 2 tons                 | 10.00                 | 7.00                    |
| Clover Hay.....  | 2½ tons                | 9.00                  | 7.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                      |     |                        |            |
|----------------------|-----|------------------------|------------|
| Cattle, head .....   | 600 | Apples, barrels .....  | 150        |
| Hogs, head .....     | 400 | Lumber, feet .....     | 26,811,000 |
| Wheat, bushels ..... | 500 | Cross Ties .....       | 226,612    |
| Corn, bushels .....  | 515 | Cord Wood, cords ..... | 28         |
| Hay, bales .....     | 233 | Stone, cars .....      | 18         |
| Flour, barrels ..... | 150 |                        |            |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average<br>Valuation. |
|------------------------------|---------|-------------|-----------------------|
| Land, acres.....             | 317,518 | \$884,243   | \$ 2.62               |
| Town Lots.....               | 1,846   | 20,531      |                       |
| Horses .....                 | 1,092   | 25,595      | 23.54                 |
| Mules .....                  | 688     | 15,202      | 22.09                 |
| Cattle .....                 | 4,068   | 29,029      | 7.13                  |
| Sheep .....                  | 988     | 754         | 7.78                  |
| Hogs .....                   | 5,727   | 8,591       | 1.50                  |
| Money, bonds and notes.....  |         | 49,402      |                       |
| Other personal property..... |         | 283,029     |                       |
| Railroad property.....       |         | 208,630     |                       |
| Telegraph property .....     |         | 3,495       |                       |
| Total taxable wealth .....   |         | \$1,429,290 |                       |

## GENERAL STATISTICS.

Average size of farms, 60 acres; fruit acreage, apple, 700; peach, 150; small fruits, 100; average price, improved land, \$10; unimproved, \$2; average farm wages per month, summer, \$14; winter, \$13; average time employed, 5 months; number farm hands employed, 75; wages, domestic help, per week, \$1.50; most profitable products, stock and fruit; number public schools, 27; number teachers, 31; number pupils, 1,631; average school tax levy on \$100, 57 cents; permanent school fund, \$1,708.

## TOWNS.

VAN BUREN is the county seat; population, 400; located on Current River Railroad; has one newspaper, one school, one church,

one fraternal order, one flouring mill. There is room here for a bank and several other enterprises. Other towns in the county are:

|   |             |
|---|-------------|
|   | Population. |
| Grandin .....                                 | 700         |
| (Location of largest saw mills in the State.) |             |
| Ellsmore .....                                | 100         |

## CASS COUNTY.

Population 28,000.

Railroads: Mo. Pac., M., K. & T., K. O. C. & S., K. O. O. & S. and P. & G.

Located centrally in western tier of counties; 25 miles from Kansas City; with an area of 688 square miles. The surface is gently undulating and covered with a black sandy loam, very productive. About 90 per cent of the land is tillable and 15 per cent is covered with timber, enough for local use. The county is drained by Grand River and its branches. Good wells are easily obtained. Fuel sells at, coal, \$2.50; wood, \$3.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 28 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....        | 13 bushels             | .50                   | 4.50                    |
| Oats .....         | 30 bushels             | .15                   | 4.00                    |
| Flax .....         | 8 bushels.             | .65                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .25                   | 12.25                   |
| Clover Seed .....  | 2 bushels              | 4.00                  |                         |
| Timothy Seed ..... | 3 bushels              | 1.25                  |                         |
| Timothy Hay .....  | 1½ tons                | 6.50                  | 4.00                    |
| Clover Hay .....   | 1½ tons                | 6.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                |           |                               |        |
|--------------------------------|-----------|-------------------------------|--------|
| Cattle, Hogs, Sheep, head..... | 138,275   | Lumber, feet .....            | 99,000 |
| Horses and Mules, head .....   | 1,660     | Logs, Walnut Logs, cars ..... | 19     |
| Mixed Live Stock, cars .....   | 73        | Cross Ties .....              | 7,516  |
| Wheat and Corn, bushels .....  | 122,500   | Cord Wood, cords .....        | 224    |
| Oats, bushels .....            | 40,530    | Coal, tons .....              | 400    |
| Mixed Grain, cars .....        | 59        | Wool, pounds .....            | 5,964  |
| Hay, bales .....               | 137,472   | Cooperage, cars .....         | 2      |
| Flax Seed, bushels .....       | 91,400    | Mill Feed, pounds .....       | 39,000 |
| Flour, barrels .....           | 7,640     | Grass Seed, bushels .....     | 8,197  |
| Apples, barrels .....          | 2,822     | Oil Cake, pounds .....        | 75,605 |
| Potatoes, bushels .....        | 58        | Flax Seed Oil, gallons .....  | 10,106 |
| Eggs, dozen .....              | 307,649   | Corn Meal, pounds .....       | 2,330  |
| Butter, pounds .....           | 187,798   | Vegetables, pounds .....      | 595    |
| Poultry, Game, pounds .....    | 1,223,066 | Dried Fruit, pounds .....     | 980    |
| Dressed Meat, pounds .....     | 3,396     | Vinegar, gallons .....        | 674    |
| Lard, pounds .....             | 1,842     | Nursery Stock, pounds .....   | 10,090 |
| Hides and Tallow, pounds ..... | 97,705    | Castor Beans, pounds .....    | 3,000  |
| Small Fruit, C. and B .....    | 386       | Milk, gallons .....           | 10,296 |
| Building Brick, cars .....     | 3         | Feathers, Furs, pounds .....  | 3,141  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Land, acres.....             | 443,000 | \$4,248,267 | \$ 9.58            |
| Town Lots.....               | 8,776   | 908,958     | .....              |
| Horses.....                  | 15,322  | 814,582     | 20.51              |
| Mules.....                   | 8,307   | 78,631      | 22.26              |
| Cattle.....                  | 24,064  | 324,121     | 18.46              |
| Sheep.....                   | 4,620   | 6,467       | 1.59               |
| Hogs.....                    | 46,589  | 152,785     | 3.28               |
| Money, bonds and notes.....  | .....   | 638,052     | .....              |
| Other personal property..... | .....   | 608,487     | .....              |
| Railroad property.....       | .....   | 1,407,663   | .....              |
| Telegraph property.....      | .....   | 23,791      | .....              |
| Total taxable wealth.....    | .....   | \$8,608,798 | .....              |

## GENERAL STATISTICS.

Average size of farms, 160 acres; fruit acreage, apple, 4,000; peach, 250; small fruit, 350; average price of land, per acre, improved, \$35; unimproved, \$12; average farm wages per month, summer and winter, \$15; average time employed during year, 7 months; number farm hands employed, 800; average weekly wages, domestic help, \$2; most profitable products, corn, wheat and stock; number schools, 133, number teachers, 195; number pupils, 7,781; average school tax levy on \$100, 46 cents; permanent county school fund, \$81,702.54.

## TOWNS.

HARRISONVILLE, the county seat, has 2,500 inhabitants. It is on the lines of the Missouri Pacific, M., K. and T. and K. C., C. and S. Railroads, and has three banks, four newspapers, nine churches, one school, six fraternal orders, a mill, a foundry, electric light plant owned by the city, and streets partly macadamized. There is an opening here for various manufactories. Other towns in the county are:

|                     | Population. |
|---------------------|-------------|
| Pleasant Hill ..... | 2,500       |
| Belton .....        | 1,100       |
| Garden City .....   | 600         |
| Duplex .....        | 500         |
| East Lynne .....    | 400         |
| Freeman .....       | 200         |



## CEDAR COUNTY.

Population 20,000.

(No Railroads.)

Southwestern part of State; 110 miles south of Kansas City; area, 496 square miles; western portion of county, undulating prairie land, very fertile; eastern portion is broken and covered with timber, consisting of the usual varieties. Eighty per cent of the land is tillable. The county is drained by the Big and Little Sac Rivers, Horse, Bear, Cedar, Turkey and Alder Creeks. There are many springs in the county, some of which are famed for their splendid medicinal qualities. Good building and lime stone exists in large quantities and the southwest portion of the county is underlaid with coal. Fuel is plentiful and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 22 bushels             | \$0.20                | \$ 4.00                 |
| Wheat .....       | 15 bushels             | .60                   | 4.00                    |
| Oats .....        | 25 bushels             | .15                   | 8.00                    |
| Potatoes .....    | 100 bushels            | .85                   | 18.00                   |
| Timothy Seed..... | 3 bushels              | 1.75                  | 8.00                    |
| Clover Hay.....   | 1½ tons                | 5.00                  |                         |
| Timothy Hay.....  | 1½ tons                | 5.50                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                           |        |
|------------------------------|---------|---------------------------|--------|
| Cattle, head .....           | 4,429   | Game, pounds .....        | 1,800  |
| Hogs, head .....             | 12,333  | Hides, pounds .....       | 28,000 |
| Horses and Mules, head ..... | 625     | Tallow, pounds .....      | 1,400  |
| Sheep, head .....            | 1,150   | Lard, pounds .....        | 700    |
| Hay, bales .....             | 13,601  | Dried Fruit, pounds ..... | 1,600  |
| Apples, barrels .....        | 1,100   | Feathers, pounds .....    | 1,200  |
| Wool, pounds .....           | 4,200   | Furs, pounds .....        | 800    |
| Eggs, dozen .....            | 146,681 | Cider, gallons .....      | 2,000  |
| Butter, pounds .....         | 733     | Onions, bushels .....     | 500    |
| Poultry, pounds .....        | 143,362 |                           |        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Land, acres.....              | 315,454 | \$2,117,044 | \$ 6.71               |
| Town Lots.....                | 1,441   | 591,564     |                       |
| Horses .....                  | 9,707   | 208,560     | 20.87                 |
| Mules .....                   | 2,755   | 66,271      | 24.06                 |
| Cattle .....                  | 13,512  | 177,470     | 13.13                 |
| Sheep .....                   | 4,127   | 4,582       | 1.09                  |
| Hogs .....                    | 29,844  | 62,682      | 2.10                  |
| Money, bonds and notes .....  |         | \$18,481    |                       |
| Other personal property ..... |         | 860,608     |                       |
| Railroad property.....        |         |             |                       |
| Telegraph property.....       |         |             |                       |
| Total taxable wealth.....     |         |             |                       |

## GENERAL STATISTICS.

Average size farms, 50 acres; fruit acreage, apple, 5,000; small fruits, 200; average price of improved land, \$20; unimproved, \$8; average farm wages per month, summer, \$14; winter, \$10; average time employed during the year, 6 months; number of farm hands employed, 600; average wages, domestic help, per week, \$1.50; most profitable products, corn, hay and stock; number schools, 86; number teachers, 100; number pupils, 6,865; average school tax levy on \$100, 57 cents; permanent school fund, \$35,615.54.

## TOWNS.

STOCKTON, the county seat; population, 800; is located near the center of the county (inland). There are two newspapers published in the town, two banks, three churches, five fraternal orders, one public school, one flouring mill. The town is hopeful of securing a railroad, which would do more than anything else to increase its population.

EL DORADO SPRINGS, in the northwest part of the county is the principal town and one of the leading health resorts in the State. It has very extensive springs, famed for their curative properties. The town is 15 miles from the M., K. and T. Railroad. The population is about 2,500 and rapidly increasing. Other towns are:

|                        | Population. |
|------------------------|-------------|
| Jerico Springs .....   | 787         |
| Cane Hill .....        | 250         |
| Coplinger's Mill ..... | 200         |
| Filley .....           | 200         |
| Arnica .....           | 150         |
| Omer .....             | 100         |

## CHARITON COUNTY.

Population 30,000.

Railroads: C. B. & K. C., A. T. & S. F. and Wabash.

Located in north central portion; 70 miles northwest of Jefferson City; with an area of 740 square miles; surface, undulating prairie and timber land; soil sandy loam. Eighty per cent of land tillable and 20 per cent timber. The county is drained by the Chariton River, Brush Creek, Yellow Creek and other small streams. Wells of good water are easily obtained. A good quality of coal is found, which is mined

for local use. Limestone for building purposes is found in abundance. Fuel is cheap and plentiful.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

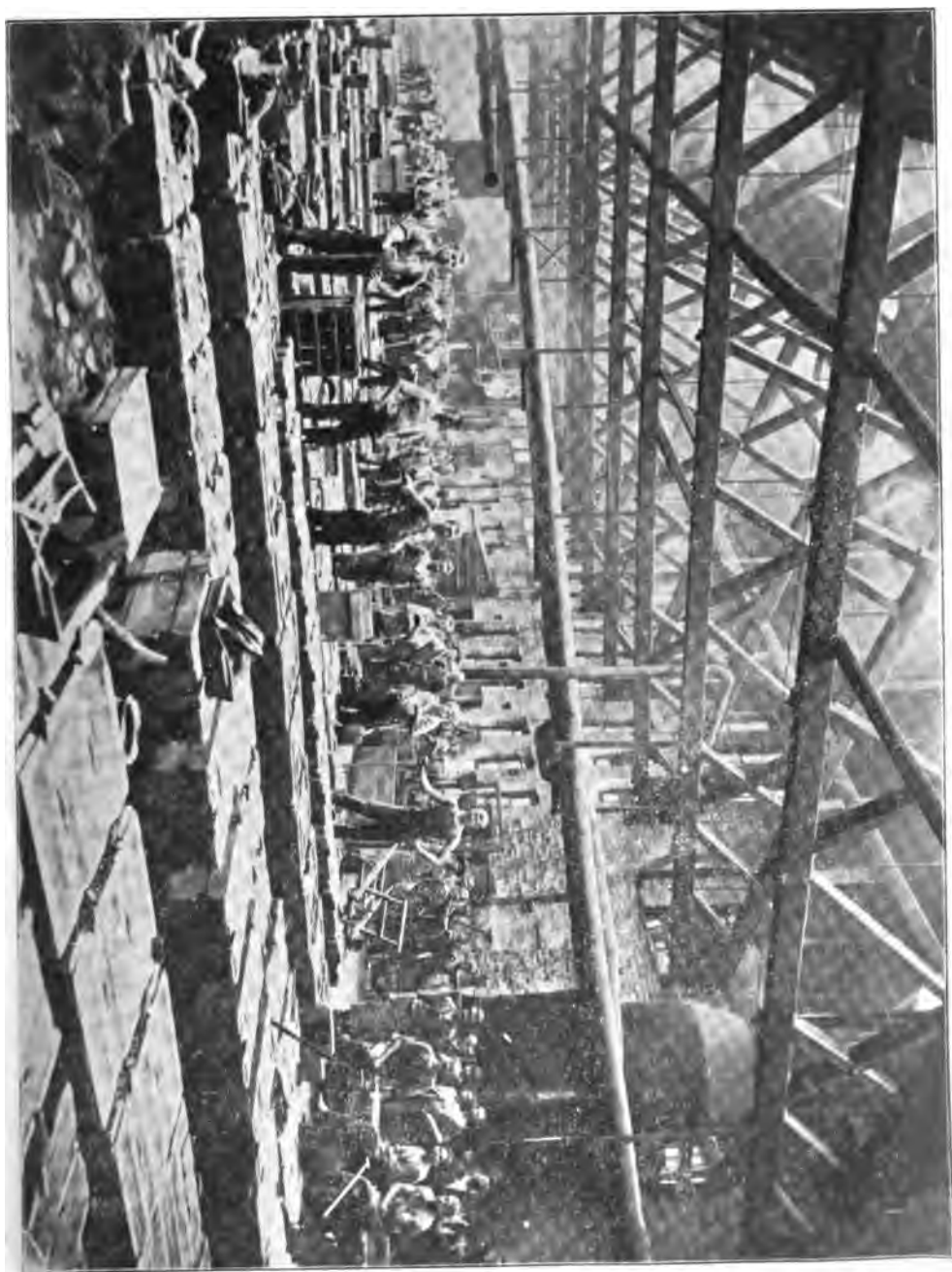
| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....        | 15 bushels             | .65                   | 5.50                    |
| Oats .....         | 30 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 200 bushels            | .90                   | 14.00                   |
| Timothy Seed ..... | 8 bushels              | 1.80                  |                         |
| Timothy Hay .....  | 1½ tons                | 6.00                  |                         |
| Clover Seed .....  | 2½ bushels             | 8.50                  |                         |
| Clover Hay .....   | 2 tons                 |                       |                         |

### SURPLUS PRODUCTS SHIPPED.

|                              |         |                                 |           |
|------------------------------|---------|---------------------------------|-----------|
| Cattle, head .....           | 13,250  | Small Fruit, C. and B .....     | 99        |
| Hogs, head .....             | 45,200  | Sewer Pipe and Tile, cars ..... | 10        |
| Horses and Mules, head ..... | 1,120   | Lumber, feet .....              | 2,241,000 |
| Sheep, head .....            | 2,345   | Walnut Logs, cars .....         | 36        |
| Mixed Live Stock, cars ..... | 5       | Posts, cars .....               | 10        |
| Wheat, bushels .....         | 212,000 | Cord Wood, cords .....          | 91        |
| Corn, bushels .....          | 137,000 | Wool, pounds .....              | 23,590    |
| Oats, bushels .....          | 3,650   | Cooperage, cars .....           | 15        |
| Hay, bales .....             | 3,961   | Feathers, pounds .....          | 2,080     |
| Flour, barrels .....         | 8,060   | Furs, pounds .....              | 94        |
| Apples, barrels .....        | 8,285   | Vegetables, pounds .....        | 30        |
| Building Brick, cars .....   | 6       | Honey, pounds .....             | 1,200     |
| Potatoes, bushels .....      | 4,560   | Onions, bushels .....           | 6,415     |
| Melons .....                 | 3,000   | Wine, gallons .....             | 50        |
| Tobacco, pounds .....        | 76,420  | Cheese, pounds .....            | 1,180     |
| Eggs, dozen .....            | 323,506 | Molasses, gallons .....         | 18,900    |
| Butter, pounds .....         | 16,545  | Cider, gallons .....            | 6,150     |
| Poultry, pounds .....        | 269,602 | Nursery Stock, pounds .....     | 2,920     |
| Dressed Meat, pounds .....   | 4,850   | Beeswax, pounds .....           | 830       |
| Game, pounds .....           | 17,696  | Nuts, bushels .....             | 20        |
| Fish, pounds .....           | 1,625   | Mill Feed, pounds .....         | 311,000   |
| Hides, pounds .....          | 76,943  | Grass Seed, bushels .....       | 4,566     |
| Tallow, pounds .....         | 24,010  | Corn Meal, pounds .....         | 38,800    |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Land, acre .....              | 475,646 | \$8,443,227 | \$ 7.23               |
| Town Lots .....               | 5,041   | 706,009     | .....                 |
| Horses .....                  | 14,544  | 815,547     | 21.69                 |
| Mules .....                   | 3,962   | 92,638      | 23.37                 |
| Cattle .....                  | 22,143  | 240,596     | 10.87                 |
| Sheep .....                   | 5,461   | 5,980       | 1.06                  |
| Hogs .....                    | 35,798  | 65,077      | 1.41                  |
| Money, bonds and notes .....  | .....   | 497,481     | .....                 |
| Other personal property ..... | .....   | 403,676     | .....                 |
| Railroad property .....       | .....   | 1,049,918   | .....                 |
| Telegraph property .....      | .....   | 17,187      | .....                 |
| Total taxable wealth .....    | .....   | \$6,626,236 | .....                 |



A MOLDING ROOM OF CHARTER OAK STOVE CO., ST. LOUIS, MO.



## GENERAL STATISTICS.

Average size of farms, 80 acres; fruit acreage, apple, 3,500; peach, 150; cherry, and small fruits, 200; average price of land, improved, \$40; unimproved, \$15; average farm wages per month, summer, \$15; winter, \$10; average time employed during year, 5 months; number of farm hands employed, 450; average weekly wages, domestic help, \$1.50; most profitable products, corn and stock; number schools, 148; number teachers, 191; number pupils, 9,813; average school tax levy on \$100, 54 cents; permanent county school fund, \$131,798.21.

## TOWNS.

KEYTESVILLE, the county seat, has 1,000 inhabitants, and is situated about a mile from the Wabash Railroad. It has two newspapers, two banks, two public schools, five churches, four fraternal orders, one flouring mill. Other towns in the county are:

|                 | Population. |
|-----------------|-------------|
| Salisbury ..... | 2,300       |
| Brunswick ..... | 2,200       |
| Sumner .....    | 450         |
| Dalton .....    | 375         |
| Triplett .....  | 345         |
| Minden .....    | 200         |

## CHRISTIAN COUNTY.

Population 17,000.

Railroads: St. L. & S. F.

Is situated in the midst of the Ozark range in the southwestern part of the State; 130 miles south and a little west of Jefferson City, with an area of 520 square miles. The surface is very broken, and 70 per cent of it is tillable and balance timber. The valleys are very fertile. Traces of copper, lead and iron ore are found, but not, as yet, in paying quantities. The James Fork of White River, is the principal stream, which with numerous small creeks furnish excellent drainage. Mineral springs are abundant and well water easily obtained. Fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 26 bushels             | \$0.25                | \$ 6.00                 |
| Wheat .....       | 10 bushels             | .55                   | 5.75                    |
| Oats .....        | 22 bushels             | .20                   | 4.75                    |
| Potatoes .....    | 75 bushels             | .25                   | 16.00                   |
| Clover Seed ..... | 2½ bushels             | 4.50                  | 7.50                    |
| Timothy Hay ..... | 1½ tons                | 7.00                  | 4.00                    |
| Clover Hay .....  | 2 tons                 |                       |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle and Hogs, head .....  | 33,502  | Posts, cars .....           | 36      |
| Horses and Mules, head ..... | 143     | Cross Ties .....            | 139,008 |
| Sheep, head .....            | 3,690   | Piling, cars .....          | 13      |
| Mixed Live Stock, cars ..... | 117     | Cord Wood, cords .....      | 3,759   |
| Wheat, bushels .....         | 95,000  | Lead Ore, tons .....        | 180     |
| Corn, bushels .....          | 500     | Wool, pounds .....          | 11,120  |
| Hay, bales .....             | 1,631   | Cotton, bales .....         | 1,637   |
| Flour, barrels .....         | 263     | Feathers, pounds .....      | 500     |
| Apples, barrels .....        | 245     | Vegetables, pounds .....    | 4,786   |
| Potatoes, bushels .....      | 45      | Dried Fruit, pounds .....   | 3,215   |
| Tobacco, pounds .....        | 1,765   | Molasses, gallons .....     | 98      |
| Eggs, dozen .....            | 266,728 | Cider, gallons .....        | 112     |
| Butter, pounds .....         | 5,940   | Nursery Stock, pounds ..... | 3,225   |
| Poultry, pounds .....        | 350,638 | Canned Goods, pounds .....  | 603,630 |
| Dressed Meat, pounds .....   | 1,940   | Nuts, bushels .....         | 7       |
| Game, pounds .....           | 3,385   | Beeswax, pounds .....       | 70      |
| Fish pounds .....            | 180     | Strawberries, crates .....  | 3,318   |
| Hides, pounds .....          | 8,512   | Ship Stuff, pounds .....    | 114,989 |
| Small Fruit, C. and B. ....  | 223     | Clover Seed, bushels .....  | 1,177   |
| Lumber, feet .....           | 144,900 | Corn Meal, pounds .....     | 12,820  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Land, acres .....             | 815,712 | \$1,454,340 | \$ 4.60               |
| Town Lots .....               | 1,679   | 125,015     |                       |
| Horses .....                  | 6,714   | 154,274     | 22.77                 |
| Mules .....                   | 2,141   | 55,241      | 25.80                 |
| Cattle .....                  | 2,780   | 89,125      | 10.12                 |
| Sheep .....                   | 4,788   | 5,207       | 1.08                  |
| Hogs .....                    | 26,902  | 47,218      | 1.66                  |
| Money, bonds and notes .....  |         | 197,285     |                       |
| Other personal property ..... |         | 200,804     |                       |
| Railroad property .....       |         | 202,134     |                       |
| Telegraph property .....      |         | 8,759       |                       |
| Total taxable wealth .....    |         | \$2,557,847 |                       |

## GENERAL STATISTICS.

Average size of farms, 100 acres; fruit acreage, apple, 3,500; small fruit, 100; average price of improved land, \$20; unimproved, \$5; average farm wages per month, summer, \$13; winter, \$12; average time

employed during year, 5 months; number of farm hands employed, 300; average weekly wages, domestic help, \$1.50; most profitable products, stock and fruit; number schools, 71; number teachers, 90; number pupils, 6,237; average school tax levy on \$100, 60 cents; permanent school fund, \$9,898.48.

## TOWNS.

OZARK, the county seat, is situated on a branch of the St. L. and S. F. Railroad and has a population of 1,000. It has two newspapers, two banks, two public schools, five churches, four fraternal orders, one flouring mill. Other towns are:

|                     | Population. |
|---------------------|-------------|
| Billings .....      | 800         |
| Sparta .....        | 500         |
| Highlandville ..... | 500         |
| Nixa .....          | 100         |

## CLARK COUNTY.

Population 18,000.

Railroads: A. T. & S. F., K. & W., St. L. K. & N. W.

Extreme northeastern county in Missouri; 140 miles north of St. Louis; area, 510 square miles; surface, diversified prairie and woodland; soil fertile, drained by Des Moines, Fox and Wyaconda Rivers and several smaller streams. Ninety per cent of the land is tillable; 10 per cent is in timber of the usual varieties. Water is plentiful and easily obtained. The northwestern part of the county is underlaid with coal. Limestone exists in large quantities. The price of fuel is reasonable; wood sells at \$2.50 per cord; coal, \$2.50 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 32 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....        | 18 bushels             | .65                   | 6.00                    |
| Oats .....         | 25 bushels             | .16                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .20                   | 14.00                   |
| Timothy Seed ..... | 8½ bushels             | 2.00                  |                         |
| Clover Seed .....  | 2½ bushels             | 4.00                  |                         |
| Clover Hay .....   | 8 tons                 | 6.00                  |                         |
| Timothy Hay .....  | 2 tons                 | 6.50                  |                         |



## SURPLUS PRODUCTS SHIPPED.

|                                 |         |                                 |           |
|---------------------------------|---------|---------------------------------|-----------|
| Cattle, Hogs, Sheep, head ..... | 27,419  | Butter, pounds .....            | 34,387    |
| Horses and Mules, head .....    | 403     | Fish, pounds .....              | 11,346    |
| Mixed Live Stock, cars .....    | 2       | Hides and Tallow, pounds .....  | 44,950    |
| Wheat, Corn, Oats, bushels....  | 600,787 | Small Fruit, crates .....       | 492       |
| Mixed Grain, cars .....         | 6       | Lumber, feet .....              | 1,701,000 |
| Hay, bales .....                | 50,328  | Cross Ties .....                | 6,235     |
| Rye, bushels .....              | 600     | Cord Wood, cords .....          | 371       |
| Flour, barrels .....            | 1,104   | Stone and Building Brick, cars. | 119       |
| Grass Seed, bushels .....       | 2,543   | Wool and Feathers, pounds ....  | 1,906     |
| Apples, barrels .....           | 142     | Cooperage, cars .....           | 15        |
| Potatoes, bushels .....         | 48      | Vegetables, pounds .....        | 38,652    |
| Melons, car .....               | 1       | Wine and Molasses, gallons .... | 26,678    |
| Eggs, dozen .....               | 263,856 | Cheese, pounds .....            | 60        |
| Poultry, Dressed Meat and       |         | Pickles, pounds .....           | 270,000   |
| Game, pounds .....              | 540,463 |                                 |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Land, acres.....             | 317,276 | \$2,424,680 | \$ 7.64            |
| Town Lots.....               | 6,984   | 856,890     |                    |
| Horses .....                 | 10,191  | 224,856     | 22.01              |
| Mules .....                  | 1,207   | 27,908      | 23.11              |
| Cattle .....                 | 12,019  | 184,489     | 15.34              |
| Sheep .....                  | 6,497   | 6,171       | .94                |
| Hogs .....                   | 12,849  | 26,589      | 2.15               |
| Money, bonds and notes.....  |         | 245,477     |                    |
| Other personal property..... |         | 160,011     |                    |
| Railroad property.....       |         | 698,149     |                    |
| Telegraph property.....      |         | 6,878       |                    |
| Total taxable wealth.....    |         | \$4,861,540 |                    |

## GENERAL STATISTICS.

Average size of farms, 90 acres; fruit acreage, apple, 1,800; small fruit, 160; average price improved land, \$40; unimproved, \$12; average farm wages, per month, summer, \$16; winter, \$13; average time employed during year, 6 months; number farm hands employed, 360; average weekly wages, domestic help, \$1.50; most profitable products, fruit and stock; number public schools, 104; number teachers, 104; number pupils, 4,471; average school tax levy on \$100, 50 cents; permanent school fund, \$29,878.56.

## TOWNS.

KAHOKA, the county seat; population, 2,000; is located on the Keokuk and Western Railroad, near the center of the county. It has three newspapers, three banks, two public schools, eight churches, five fraternal orders, two mills, a cigar factory and a pickle and canning factory. Almost any other small industry could be supported. The

town is well lighted by electricity and the streets are generally macadamized. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Wyaconda .....   | 600         |
| Luray .....      | 400         |
| Revere .....     | 300         |
| Alexandria ..... | 200         |

## CLAY COUNTY.

Population 24,000.

Railroads: H. & St. J., C. M. & St. P., K. O. & H. and Wabash.

Western part of the State, bordering on the north bank of the Missouri River, adjoining Kansas City; area, 415 square miles; surface, rolling prairie, with broken timber land along the Missouri River and its tributaries. The county is well watered with small streams, springs and wells; soil, black loam, with clay subsoil and very fertile. Ninety per cent of the land is tillable and about 10 per cent is in timber. Enough coal is mined in the county for local use. Limestone, sandstone and fire clay for brickmaking and pottery are found in abundance. The county produces its own fuel. The price is reasonable.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 40 bushels             | \$0.20                | \$ 6.50                 |
| Wheat .....        | 15 bushels             | .70                   | 6.25                    |
| Oats .....         | 32 bushels             | .20                   | 5.75                    |
| Rye .....          | 80 bushels             | .35                   | 6.00                    |
| Potatoes .....     | 200 bushels            | .20                   | 15.00                   |
| Clover Seed .....  | 8 bushels              | 4.00                  | 5.50                    |
| Timothy Seed ..... | 4½ bushels             | 2.00                  | 5.00                    |
| Timothy Hay .....  | 2 tons                 | 7.00                  | 5.50                    |
| Clover Hay .....   | 8 tons                 | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                                    |         |
|--------------------------------|---------|------------------------------------|---------|
| Cattle, Hogs, Sheep, head..... | 98,483  | Hides and Tallow, pounds .....     | 82,967  |
| Horses and Mules, head .....   | 2,161   | Small Fruit, crates .....          | 925     |
| Mixed Live Stock, cars .....   | 94      | Building Brick, cars .....         | 43      |
| Wheat and Corn, bushels .....  | 56,500  | Lumber, feet .....                 | 234,000 |
| Flour, barrels .....           | 8,673   | Logs and Walnut Logs, cars ....    | 44      |
| Apples, barrels .....          | 5,506   | Coal, tons .....                   | 5,700   |
| Potatoes, bushels .....        | 34,701  | Stone and Sand, cars .....         | 41      |
| Melons, cars .....             | 9,002   | Wool, pounds .....                 | 25,487  |
| Eggs, dozen .....              | 322,080 | Vegetables, Dried Fruit, pounds .. | 40,220  |
| Butter, pounds .....           | 20,466  | Wine and Cider, gallons .....      | 6,835   |
| Poultry and Game, pounds ..... | 648,276 | Molasses, gallons .....            | 107     |
| Dressed Meat, pounds .....     | 10,893  | Milk, gallons .....                | 2,900   |
| Fish, pounds .....             | 58,320  | Ship Stuff, pounds .....           | 562,000 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Land, acres.....              | 252,419 | \$3,147,895 | \$12.46            |
| Town Lots.....                | 13,512  | 987,510     | .....              |
| Horses .....                  | 6,219   | 154,285     | 24.80              |
| Mules .....                   | 1,896   | 85,384      | 25.86              |
| Oattle .....                  | 16,581  | 218,280     | 12.86              |
| Sheep .....                   | 5,812   | 7,210       | 1.35               |
| Hogs .....                    | 27,096  | 67,690      | 2.49               |
| Money, bonds and notes .....  | .....   | 819,965     | .....              |
| Other personal property ..... | .....   | 402,060     | .....              |
| Railroad property.....        | .....   | 1,419,180   | .....              |
| Telegraph property.....       | .....   | 26,058      | .....              |
| Total taxable wealth.....     | .....   | \$7,294,067 | .....              |

## GENERAL STATISTICS.

Average size of farms, 95 acres; fruit acreage, apples, 4,000; peach, 200; cherry, 200; small fruits, 1,000; average price of improved land, \$50; unimproved, \$25; average farm wages, per month, summer, \$16; winter, \$15; average time employed during year, 7 months; number of farm hands employed, 600; average wages, domestic help, per week, \$2; most profitable products, grain, fruit and stock; number public schools, 78; number teachers, 117; number pupils, 5,866; average school tax levy on \$100, 53 cents; permanent county school fund, \$22,889.89.

## CITIES AND TOWNS.

LIBERTY is the county seat; population, 3,300; located near the center of the county on the H. and St. J. and C. M. and St. P. It has three newspapers, three banks, eight churches, seven fraternal orders, two flouring mills, one planing mill. Liberty has a fine public school system and is the home of William Jewel College (Baptist), and Liberty Female College, both leading institutions of learning in the State. The city is lighted by electricity and the streets are in fairly good condition.

EXCELSIOR SPRINGS, on the C. M. & St. Paul, and the Wabash, has a population of 3,500, and is one of the most famous health and pleasure resorts in the West, on account of the splendid mineral springs located there. The other towns are:

|                     | Population. |
|---------------------|-------------|
| Kearney .....       | 600         |
| Missouri City ..... | 500         |
| Smithville .....    | 400         |
| Holt .....          | 350         |
| Harlam .....        | 200         |
| Moscow .....        | 175         |
| Mosby .....         | 75          |

## CLINTON COUNTY.

Population 21,000.

Railroads: C. R. I. &amp; P., H. &amp; St. J. and A. T. &amp; S. F.

Located a little north of the west central part of the State; 40 miles north of Kansas City, with an area of 440 square miles. The surface consists of rolling prairies and rich bottom lands, 80 per cent of which is tillable. Some timber is found along the water courses. The soil is a rich black loam and very productive. Shoal Creek and other small streams furnish the drainage. Wells of living water are easily obtained. Limestone and sandstone are found in abundance. Fuel is readily obtained at reasonable prices.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1886.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 40 bushels             | \$0.18                | \$ 6.50                 |
| Wheat .....        | 15 bushels             | .60                   | 6.00                    |
| Oats .....         | 85 bushels             | .15                   | 5.00                    |
| Potatoes .....     | 180 bushels            | .18                   | 14.00                   |
| Clover Seed .....  | 2½ bushels             | 4.00                  | 5.50                    |
| Timothy Seed ..... | 4½ bushels             | 2.00                  | 5.00                    |
| Timothy Hay .....  | 2½ tons                | 7.00                  | 5.00                    |
| Clover Hay .....   | 2½ tons                | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                     |         |  |         |
|-------------------------------------|---------|--|---------|
| Cattle, Hogs, Sheep, head .....     | 87,068  | Lumber, feet .....                       | 129,000 |
| Horses and Mules, head .....        | 1,740   | Cord Wood, cords .....                   | 418     |
| Mixed Live Stock, cars .....        | 2       | Coal, tons .....                         | 104     |
| Wheat, Corn and Oats, bushels ..... | 36,500  | Wool, pounds .....                       | 40,188  |
| Hay, bales .....                    | 5,350   | Furs, pounds .....                       | 1,423   |
| Flour, barrels .....                | 2,447   | Vegetables, pounds .....                 | 300,000 |
| Apples, barrels .....               | 5,033   | Molasses, gallons .....                  | 2,330   |
| Potatoes, bushels .....             | 87      | Cheese, pounds .....                     | 214,584 |
| Eggs, dozen .....                   | 163,365 | Nursery Stock, pounds .....              | 3,465   |
| Butter, pounds .....                | 47,124  | Milk, gallons .....                      | 25,200  |
| Poultry and Game, pounds .....      | 295,911 | Grass and Timothy Seed,<br>bushels ..... | 4,070   |
| Dressed Meat, pounds .....          | 1,365   |  |         |
| Hides and Tallow, pounds .....      | 66,740  |  |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Land, acres.....             | 265,000 | \$3,080,925 | \$11.43            |
| Town Lots.....               | 4,000   | 788,906     | .....              |
| Horses .....                 | 9,250   | 196,675     | 21.95              |
| Mules .....                  | 2,430   | 56,618      | 23.29              |
| Cattle .....                 | 24,821  | 589,556     | 15.69              |
| Sheep .....                  | 8,379   | 5,407       | 1.60               |
| Hogs .....                   | 26,101  | 79,582      | 2.88               |
| Money, bonds and notes.....  | .....   | 875,826     | .....              |
| Other personal property..... | .....   | 427,317     | .....              |
| Railroad property.....       | .....   | 1,084,562   | .....              |
| Telegraph property.....      | .....   | 9,052       | .....              |
| Total taxable wealth.....    | .....   | \$7,937,820 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; fruit acreage, apple, 2,000; peach, 75; cherry, 100; small fruit, 600; average price of improved land, \$50; unimproved, \$20; average farm wages per month, summer, \$18; winter, \$12; average time employed during year, 8 months; number of farm hands employed, 600; average weekly wages, domestic help, \$2; most profitable products, stock and corn; number schools, 75; number teachers, 117; number pupils, 5,425; average school tax levy on \$100, .. cents; permanent county school fund, \$23,881.43.

## CITIES AND TOWNS.

PLATTSBURG, the county seat, has 2,000 inhabitants and is reached by means of the C., R. I. and P., and the Santa Fe Railroads. It has four newspapers (two of them religious), two banks, seven churches, six fraternal orders, two flouring mills, a brick kiln and a broom factory, two public schools, Plattsburg College and Catholic Academy. The city is lighted by electricity.

CAMERON, the largest town in the county, is located at the junction of the C., R. I. and P., and H. and St. J., and has a population of 3,500. It is the seat of Wesley College, a Methodist school, and is a city of enterprise. Other towns are:

|               | Population. |
|---------------|-------------|
| Lathrop ..... | 1,200       |
| Gower .....   | 400         |
| Turney .....  | 200         |
| Hemple .....  | 150         |
| Grayson ..... | 150         |
| Osborne ..... | 100         |

## COLE COUNTY.

Population 20,000.

Railroads: Mo. Pac. System.

Central portion of the State. The Missouri River forms the northern boundry; area, 390 square miles; surface, hilly and covered with timber near the streams. The soil is a sandy loam, with clay subsoil, on the upland and heavy black loam, very fertile in the bottoms. The county is drained by the Missouri, Osage and Moreau Rivers and their branches. Water is also abundant in springs and wells. About 40 per cent of the land is in timber and about 75 per cent of the land can be tilled. Coal, limestone, buhrstone, lead, zinc and fire clay are found. Fuel is abundant and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 30 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....       | 11 bushels             | .60                   | 5.00                    |
| Oats .....        | 25 bushels             | .17                   | 4.75                    |
| Potatoes.....     | 150 bushels            | .80                   | 11.00                   |
| Clover Seed ..... | 2½ bushels             | 3.50                  | 6.00                    |
| Clover Hay.....   | 2 tons                 | 9.00                  | 5.00                    |
| Timothy Hay ...   | 1½ tons                |                       |                         |

## SURPLUS PRODUCTS SHIPPED.

|  |         |  |           |
|--|---------|--|-----------|
| Cattle, Hogs, Sheep, head .....              | 16,594  | Hides and Tallow, pounds .....           | 166,770   |
| Horses and Mules, head .....                 | 420     | Lumber, feet .....                       | 108,000   |
| Mixed Live Stock, cars .....                 | 69      | Cross Ties .....                         | 724       |
| Wheat and Corn, bushels .....                | 66,500  | Coal, tons .....                         | 2,720     |
| Hay, bales .....                             | 1,165   | Wool, pounds .....                       | 9,646     |
| Flour, barrels .....                         | 43,640  | Vegetables, Dried Fruit,<br>pounds ..... | 18,851    |
| Potatoes, bushels .....                      | 600     | Strawberries, crates .....               | 2,148     |
| Eggs, dozen .....                            | 388,871 | Bran, pounds .....                       | 2,773,960 |
| Butter, pounds .....                         | 19,768  | Clover Seed, bushels .....               | 7,776     |
| Poultry, Dressed Meat, Game,<br>pounds ..... | 408,844 | Feathers, pounds .....                   | 2,927     |
| Fish, pounds .....                           | 4,015   | Building Brick, cars .....               | 33        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 235,886 | \$1,398,920 | \$ 5.96            |
| Town Lots.....               | 3,085   | 1,535,070   | .....              |
| Horses.....                  | 4,064   | 87,808      | 21.53              |
| Mules.....                   | 1,790   | 40,634      | 23.69              |
| Cattle.....                  | 7,899   | 77,711      | 9.83               |
| Sheep.....                   | 4,488   | 4,970       | 1.10               |
| Hogs.....                    | 18,081  | 36,263      | 2.00               |
| Money, bonds and notes.....  |         | 426,867     | .....              |
| Other personal property..... |         | 578,257     | .....              |
| Railroad property.....       |         | 568,188     | .....              |
| Telegraph property.....      |         | 9,169       | .....              |
| Total taxable wealth.....    |         | \$4,748,488 | .....              |

## GENERAL STATISTICS.

Average size of farms, 110 acres; fruit acreage, apple, 1,500; peach, 500; small fruits, 200; average price of improved land, \$30; unimproved, \$10; average farm wages per month, summer, \$13; winter, \$9; average time employed during year, 8 months; number of farm hands employed, 350; average wages, domestic help, per week, \$1.75; most profitable products, corn, hay and stock; number public schools, 58; number teachers, 79; number pupils, 6,165; average school tax levy on \$100, 40 cents; permanent county school fund, \$15,507.29.

## CITIES AND TOWNS.

JEFFERSON CITY, Capital of the State, is the county seat; population, 10,000; located on the Missouri River and is reached by the Missouri Pacific, M., K. and T. and C. and A. Railroads. In addition to the capitol and other State buildings, it has a magnificent new court house. There are five newspapers, three banks, three public schools, one Catholic school, one Lutheran school and the Lincoln State Institute (colored). There are eleven churches and eight fraternal orders. Several manufacturies are in operation, and there is a splendid opening here for many more. The city is supplied with water and electricity by a corporation. The State furnishes its own lighting system. The streets of the city, where graded, are generally well paved with stone and brick. The Missouri Penitentiary, the largest single penal institution in the United States, is located here. The towns in Cole County are:

|                    | Population. |
|--------------------|-------------|
| Russellville ..... | 400         |
| Osage City .....   | 200         |
| St. Thomas .....   | 200         |
| Lohman .....       | 200         |

## COOPER COUNTY.

Population 24,500.

Railroads: Mo. Pac. and M. K. &amp; T.

Located very near the geographical center of the State; 25 miles west of Jefferson City and bordered on the north by the Missouri River and has an area of 562 square miles. The surface is gently undulating, with considerable timber along the water courses. The soil is very fertile and is tillable to the extent of more than 80 per cent. The streams are Lamine and its branches, forming an ideal drainage. The county has considerable coal of bituminous and cannel varieties and more than enough to supply the local demand is mined. A trace of lead and iron is also found. Fuel is cheap and good water is easily accessible.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 35 bushels             | \$0.18                | \$ 6.00                 |
| Wheat.....       | 15 bushels             | .50                   | 6.00                    |
| Oats.....        | 30 bushels             | .15                   | 5.00                    |
| Potatoes.....    | 125 bushels            | .25                   | 12.00                   |
| Olover Seed..... | 8 bushels              | 4.00                  | 6.00                    |
| Timothy Hay..... | 2 tons                 | 5.50                  |                         |
| Olover Hay.....  | 2½ tons                | 5.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                                 |         |
|--------------------------------|---------|---------------------------------|---------|
| Cattle, head .....             | 14,482  | Lumber, feet .....              | 406,000 |
| Hogs and Sheep, head .....     | 53,261  | Logs and Walnut Logs, cars .... | 16      |
| Horses and Mules, head .....   | 638     | Cross Ties .....                | 9,060   |
| Mixed Live Stock, cars .....   | 68      | Cord Wood, cords .....          | 1,120   |
| Wheat, bushels .....           | 234,500 | Lime and Sand, cars .....       | 268     |
| Corn and Oats, bushels .....   | 18,000  | Vegetables, pounds .....        | 210,040 |
| Hay, bales .....               | 2,100   | Dried Fruit, pounds .....       | 9,408   |
| Flax Seed, bushels .....       | 2,000   | Nursery Stock, pounds .....     | 19,030  |
| Flour, barrels .....           | 14,126  | Wool, pounds .....              | 47,468  |
| Apples, barrels .....          | 6,131   | Tobacco, pounds .....           | 21,224  |
| Potatoes, bushels .....        | 444     | Feathers, pounds .....          | 3,166   |
| Eggs, dozen .....              | 336,871 | Furs, pounds .....              | 893     |
| Butter, pounds .....           | 23,843  | Fish, pounds .....              | 850     |
| Poultry, pounds .....          | 779,464 | Lard, pounds .....              | 120     |
| Dressed Meat, pounds .....     | 8,925   | Molasses, gallons .....         | 635     |
| Game, pounds .....             | 3,288   | Cheese, pounds .....            | 550     |
| Hides and Tallow, pounds ..... | 59,650  | Cider, gallons .....            | 34      |
| Fruit, C. and B. ....          | 175     | Pottery, cars .....             | 4       |
| Sewer Pipe, Tile, cars .....   | 2       | Clover Seed, bushels .....      | 4,009   |
| Building Brick, cars .....     | 10      | Ship Stuff, pounds .....        | 51,650  |



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 348,882 | \$8,221,478 | \$ 9.25            |
| Town Lots .....               | 2,462   | 947,792     | .....              |
| Horses .....                  | 8,647   | 200,600     | 23.19              |
| Mules .....                   | 4,349   | 111,973     | 25.74              |
| Cattle .....                  | 18,695  | 291,560     | 15.59              |
| Sheep .....                   | 9,598   | 14,445      | 1.50               |
| Hogs .....                    | 86,780  | 104,890     | 2.86               |
| Money, bonds and notes .....  | .....   | 904,415     | .....              |
| Other personal property ..... | .....   | 644,788     | .....              |
| Railroad property .....       | .....   | 678,656     | .....              |
| Telegraph property .....      | .....   | 9,951       | .....              |
| Total taxable wealth.....     | .....   | \$7,250,428 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; fruit acreage, apple, 4,000; peach, 500; average price of improved land, \$40; unimproved, \$12; average farm wages per month, summer, \$15; winter, \$12; average time employed during year, 7 months; number of farm hands employed, 800; average weekly wages paid, domestic help, \$2; most profitable products, corn, stock and grass; number schools, 126; number teachers, 142; number pupils, 7,119; average school tax levy on \$100, 48 cents; permanent county school fund, \$18,407.44.

## CITIES AND TOWNS.

BOONVILLE, the county seat, has a population of 5,000, and is located on the Missouri River. It is also the junction of the M. K. & T., and Missouri Pacific Railroads. It is one of the oldest towns in the State and is full of historic interest. It has four newspapers, two banks, ten churches, seven fraternal orders, tobacco factory, carriage factory and flouring mill. It has two public schools, is the seat of the famous Kemper Military School, and the State Reform School. The city is supplied with water and electric light by a corporation. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Pilot Grove .....  | 1,000       |
| Bunceton .....     | 1,000       |
| Oterville .....    | 500         |
| Blackwater .....   | 250         |
| Prairie Home ..... | 150         |

## CRAWFORD COUNTY.

Population 14,000.

Railroads: St. L. &amp; S. F. and Salem Branch.

Southeastern central part of State; 85 miles southwest of St. Louis; area, 710 square miles; surface, diversified; hilly in places, prairie and timber in about equal proportions; soil, sandy loam, north of the Meramec, and very fertile in the bottoms. The county is drained by the Meramec and many small creeks; it is otherwise well watered. The timber consists of yellow pine, oak and hard maple. Eighty-five per cent of the land can be utilized for farming and pasture. Iron and copper ore are mined extensively. Lead and zinc are found; also, coal in small quantities. Limestone, fire and paint clay have been discovered. Fuel mostly wood and very cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 80 bushels             | \$0.25                | \$ 6.00                 |
| Wheat .....      | 15 bushels             | .60                   | 6.00                    |
| Oats .....       | 24 bushels             | .20                   | 5.00                    |
| Rye.....         | 17 bushels             | .40                   | 5.50                    |
| Potatoes.....    | 100 bushels            | .25                   | 12.00                   |
| Timothy Hay..... | 1 ton                  | 8.00                  | 4.75                    |
| Clover Hay ..... | 2 tons                 | 7.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                             |        |
|--------------------------------|---------|-----------------------------|--------|
| Cattle, Hogs, Sheep, head..... | 8,995   | Cord Wood, cords .....      | 854    |
| Horses and Mules, head .....   | 100     | Iron Ore, tons .....        | 16,080 |
| Mixed Live Stock, cars .....   | 85      | Pig iron, tons .....        | 300    |
| Wheat, bushels .....           | 45,500  | Sand, cars .....            | 22     |
| Hay, bales .....               | 233     | Charcoal, cars .....        | 5      |
| Flour, barrels .....           | 1,768   | Wool, pounds .....          | 23,440 |
| Apples, barrels .....          | 932     | Cooperage, cars .....       | 21     |
| Potatoes, bushels .....        | 71      | Feathers, pounds .....      | 3,060  |
| Eggs, dozen .....              | 580,550 | Furs, pounds .....          | 628    |
| Butter, pounds .....           | 8,412   | Dried Fruit, pounds .....   | 33,008 |
| Poultry, pounds .....          | 559,443 | Onions, bushels .....       | 49     |
| Dressed Meat, pounds .....     | 527     | Molasses, gallons .....     | 60     |
| Game, pounds .....             | 9,061   | Nursery Stock, pounds ..... | 7,406  |
| Hides, pounds .....            | 41,642  | Nuts, bushels .....         | 12     |
| Lumber, feet .....             | 72,000  | Ship Stuff, pounds .....    | 2,800  |
| Cross Ties .....               | 905     | Clover Seed, bushels .....  | 2,267  |
| Props, cars .....              | 12      |                             |        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 478,578 | \$1,457,975 | \$ 3.04            |
| Town Lots .....               | 1,202   | 167,582     | .....              |
| Horses .....                  | 8,814   | 86,879      | 23.17              |
| Mules .....                   | 1,970   | 47,281      | 24.00              |
| Cattle .....                  | 10,507  | 100,236     | 10.40              |
| Sheep .....                   | 9,088   | 9,262       | 1.02               |
| Hogs .....                    | 15,212  | 31,843      | 2.06               |
| Money, bonds and notes .....  | .....   | 118,982     | .....              |
| Other personal property ..... | .....   | 159,906     | .....              |
| Railroad property .....       | .....   | 491,446     | .....              |
| Telegraph property .....      | .....   | 5,668       | .....              |
| Total taxable wealth .....    | .....   | \$2,681,148 | .....              |

## GENERAL STATISTICS.

Average size of farms, 160 acres; fruit acreage, apple, 1,100; peach, 800; small fruits, 200; average price improved land, \$15; unimproved, \$4; average farm wages per month, summer, \$13; winter, \$10; average time employed during year, 7 months; number of farm hands, 150; average wages paid, domestic help, \$1.50; most profitable products, corn, hay and stock; number public schools, 76; number teachers, 77; number pupils, 4,756; average school tax levy on \$100, 46 cents, permanent school fund, \$7,420.41.

## TOWNS.

STEELEVILLE, the county seat, has a population of about 800; is located near the center of the county on a branch of the St. Louis & San Francisco Railroad. The town supports two newspapers, two banks, four churches, one public school, five fraternal societies. There is one flouring mill in operation. Manufacturing enterprises are needed and desired, especially a cannery, as much interest is being shown in the culture of small fruit. Other towns in the country are:

|                | Population. |
|----------------|-------------|
| Cuba .....     | 800         |
| Bourbon .....  | 300         |
| Leasburg ..... | 200         |
| Oak Hill ..... | 100         |

## DADE COUNTY.

Population 20,500.

Railroads: K. O. Ft. S. &amp; M. and G. &amp; N.

Southwestern part of the State, 130 miles from Kansas City; area, 500 square miles; surface, rolling prairie in the western part; hilly and well timbered in the eastern part. The soil is very fertile, especially in the bottoms along the streams. The county is drained by the Sac River, Turnback and many small streams. There are many good springs and wells. Eighty per cent of the land can be tilled; 30 per cent of it is yet in timber of the usual varieties. Coal, iron, lead and copper have been found. There are also immense deposits of limestone, red and white pottery clay. Fuel is abundant and cheap, coal selling at \$2 per ton and wood at \$1.50 per cord. The varied natural resources of Dade County make it a very desirable location for home seekers.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.              | Av. Yield per<br>acre. | Av. Selling<br>Price.. | Av. Cost<br>Production. |
|--------------------|------------------------|------------------------|-------------------------|
| Corn .....         | 28 bushels             | \$0.20                 | \$ 5.75                 |
| Wheat .....        | 12 bushels             | .50                    | 5.00                    |
| Oats .....         | 22 bushels             | .15                    | 4.00                    |
| Flax ...           | 8 bushels              | .55                    | 4.00                    |
| Potatoes .....     | 100 bushels            | .25                    | 14.00                   |
| Timothy Seed ..... | 4 bushels              | 1.50                   | 5.00                    |
| Timothy Hay .....  | 1½ tons                | 4.50                   | 4.50                    |
| Clover Hay .....   | 2 tons                 | 4.00                   | 4.50                    |
| Prairie Hay .....  | 1½ tons                | 3.00                   | 2.75                    |

## SURPLUS PRODUCTS SHIPPED.

|                                  |         |                               |         |
|----------------------------------|---------|-------------------------------|---------|
| Cattle and Hogs, head .....      | 29,360  | Hides and Furs, pounds .....  | 2,063   |
| Horses and Mules, head .....     | 420     | Feathers, pounds .....        | 441     |
| Wheat, Corn, Oats, bushels ..... | 64,500  | Vegetables, pounds .....      | 150,000 |
| Hay, bales .....                 | 23,300  | Strawberries, crates .....    | 809     |
| Flour, barrels .....             | 29,250  | Building Brick, cars .....    | 2       |
| Apples, barrels .....            | 1,950   | Lumber, feet .....            | 18,000  |
| Flax Seed, bushels .....         | 35,400  | Cord Wood, cords .....        | 252     |
| Grass Seed, bushels .....        | 2,400   | Zinc Ore and Coal, tons ..... | 220     |
| Eggs, dozen .....                | 56,715  | Lime, barrels .....           | 55,300  |
| Butter, pounds .....             | 65,351  | Stone, cars .....             | 31      |
| Poultry and Game, pounds .....   | 110,916 | Cooperage, cars .....         | 27      |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 318,517 | \$2,207,820 | \$ 6.97            |
| Town Lots.....               | 2,053   | 278,384     | .....              |
| Horses.....                  | 8,577   | 184,052     | 21.45              |
| Mules.....                   | 2,748   | 67,457      | 24.54              |
| Cattle.....                  | 12,886  | 172,974     | 13.46              |
| Sheep.....                   | 3,691   | 8,889       | .91                |
| Hogs.....                    | 25,722  | 59,687      | 2.31               |
| Money, bonds and notes.....  | .....   | 406,886     | .....              |
| Other personal property..... | .....   | 272,334     | .....              |
| Railroad property.....       | .....   | 488,514     | .....              |
| Telegraph property.....      | .....   | 4,245       | .....              |
| Total taxable wealth.....    | .....   | \$4,142,946 | .....              |

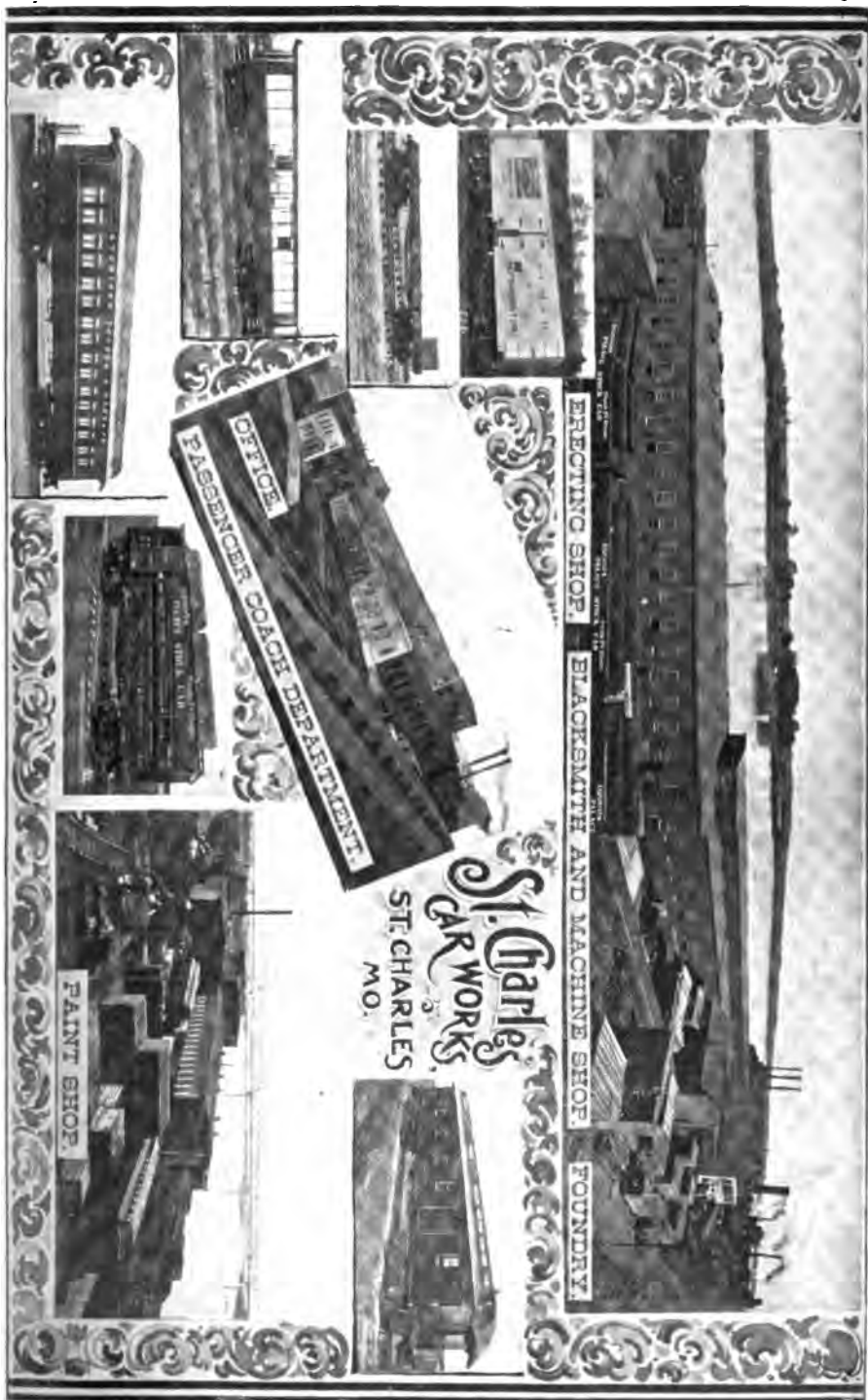
## GENERAL STATISTICS.

Average size of farms, 120 acres; fruit acreage, apple, 5,300; peach, 500; small fruits, 300; average price improved land, \$25; unimproved, \$10; average farm wages per month, summer, \$15; winter, \$12; average time employed during year, 6 months; number farm hands employed, 450; average weekly wages, domestic help, \$1.50; most profitable products, grain, fruit and stock; number public schools, 79; number school teachers, 108; number pupils, 6,334; average school tax levy on \$100, 51 cents; permanent school fund, \$11,639.95.

## TOWNS.

GREENFIELD, the county seat, population, 1,900, is located at the terminus of the Greenfield and Northern, a short branch of the K. C., Ft. S. & M. The town occupies a healthful and slightly position; has three newspapers, two banks, one public school, eight churches, eight fraternal orders, a furniture factory, flouring mill and creamery. A canning factory is also desired. The streets of the town are well graded and kept in fair condition. Other towns in the county are:

|                        | Population. |
|------------------------|-------------|
| Lockwood .....         | 1,000       |
| Everton .....          | 600         |
| Dadeville .....        | 300         |
| South Greenfield ..... | 250         |
| Arcola .....           | 150         |



VIEWS OF ST. CHARLES CAR CO.'S WORKS, ST. CHARLES, MO.



## DALLAS COUNTY.

Population 15,500.

(No Railroads.)

Southwest of central Missouri; 120 miles southeast of Kansas City: area, 530 square miles; surface, one-third rolling prairie, balance hilly timber land, well adapted to grazing and when cleared, very productive; prairie land is sandy loam and fertile. The county is watered by the Niangua and its branches. Good springs and wells are numerous. Seventy-five per cent of the land can be cultivated. The timber consists of hard wood of all kinds, none of which is cut for export. A good quality of limestone is abundant and lead has been found in paying quantities. Wood is the only fuel and sells at \$1.50 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 30 bushels             | \$0.80                | \$ 5.25                 |
| Wheat .....        | 10 bushels             | .63                   | 5.00                    |
| Oats .....         | 23 bushels             | .20                   | 4.25                    |
| Potatoes .....     | 150 bushels            | .40                   | 14.00                   |
| Tobacco .....      | 900 pounds             | .10                   |                         |
| Timothy Seed ..... | 3 bushels              | 2.50                  | 5.50                    |
| Clover Seed .....  | 2 bushels              | 4.00                  | 5.50                    |
| Clover Hay .....   | 2½ tons                | 5.00                  | 4.00                    |
| Timothy Hay .....  | 2 tons                 | 6.00                  | 3.75                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                           |        |
|------------------------------|---------|---------------------------|--------|
| Cattle, head .....           | 2,800   | Game, pounds .....        | 3,500  |
| Hogs, head .....             | 3,000   | Hides, pounds .....       | 3,700  |
| Horses and Mules, head ..... | 1,360   | Dried Fruit, pounds ..... | 12,000 |
| Sheep, head .....            | 1,600   | Feathers, pounds .....    | 1,800  |
| Apples, barrels .....        | 992     | Furs, pounds .....        | 550    |
| Eggs, dozen .....            | 210,000 | Onions, bushels .....     | 40     |
| Butter, pounds .....         | 3,700   | Wool, pounds .....        | 3,600  |
| Poultry, pounds .....        | 83,334  |                           |        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.    | Average<br>Valuation. |
|-------------------------------|---------|-----------|-----------------------|
| Lands, acres .....            | 278,007 | \$380,737 | \$ 3.40               |
| Town Lots .....               | 281     | 108,885   | .....                 |
| Horses .....                  | 7,825   | 182,572   | 20.80                 |
| Mules .....                   | 2,025   | 46,201    | 22.81                 |
| Cattle .....                  | 10,910  | 108,685   | 10.05                 |
| Sheep .....                   | 11,461  | 12,049    | 1.05                  |
| Hogs .....                    | 24,173  | 38,768    | 1.81                  |
| Money, notes and bonds .....  |         | 211,629   | .....                 |
| Other personal property ..... |         | 176,288   | .....                 |
| Railroad property .....       |         |           | .....                 |
| Telegraph property .....      |         |           | .....                 |
| Total taxable wealth .....    |         |           | .....                 |



## GENERAL STATISTICS.

Average size farms, 160 acres; fruit acreage, apple, 6,000; peach, 600; small fruits, 300; average price improved land per acre, \$15; unimproved, \$4; average farm wages per month, summer, \$13; winter, \$9; average time employed during year, 6 months; number farm hands employed, 450; average wages, domestic help, per week, \$1.50; most profitable products, corn, hay, fruit and stock; number public schools, 74; number teachers, 81; number pupils, 5,286; average school tax levy on \$100, 40 cents; permanent school fund, \$23,686.10.

## TOWNS.

BUFFALO, population, 1,400, is the county seat. It is located near the geographical center of the county and does a thriving business for an inland town. The town supports two newspapers, two banks, one public school, four churches, four fraternal orders, and one flouring mill. A railroad would do much to develop the county and increase the population and business of the county seat. The other towns in the county are:

|                 | Population. |
|-----------------|-------------|
| Lewisburg ..... | 150         |
| Urbana .....    | 150         |
| Charity .....   | 100         |
| Lead Mine ..... | 100         |
| Long Lane ..... | 100         |

## DAVIESS COUNTY.

Population 22,500.

Railroads: C. R. I. & P. and Wabash.

Northwestern part of State; 50 miles east of St. Joseph; area, 576 square miles; surface, two-thirds undulating prairie and one-third woodland; prairie is rich black sandy loam, very fertile, and timber consists of oak, hickory and elm. Eighty per cent of the land is tillable. The county is watered by the Grand River and its tributaries. There are also many good springs and wells. Wood is worth \$2 per cord and coal retails at \$3 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 30 bushels             | \$0.18                | \$6.00                  |
| Wheat .....        | 15 bushels             | .05                   | 6.00                    |
| Oats .....         | 25 bushels             | .16                   | 5.00                    |
| Potatoes .....     | 80 bushels             | .20                   | 14.00                   |
| Timothy Hay .....  | 1½ tons                | 6.00                  | 5.00                    |
| Clover Hay .....   | 2 tons                 | 5.00                  | 5.50                    |
| Clover Seed .....  | 2 bushels              | 3.50                  |                         |
| Timothy Seed ..... | 4 bushels              | 2.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|   |         |  |         |
|---|---------|--|---------|
| Cattle, Hogs, Sheep, head .....                 | 73,265  | Cord Wood, cords .....                     | 553     |
| Horses and Mules, head .....                    | 1,240   | Wool, pounds .....                         | 44,745  |
| Wheat and Corn, bushels .....                   | 36,500  | Cooperage, cars .....                      | 2       |
| Hay, bales .....                                | 1,390   | Feathers, pounds .....                     | 1,091   |
| Flour, barrels .....                            | 1,275   | Furs, pounds .....                         | 270     |
| Apples, barrels .....                           | 1,724   | Vegetables and Dried Fruit<br>pounds ..... | 2,930   |
| Tobacco, pounds .....                           | 520     | Molasses, gallons .....                    | 1,255   |
| Eggs, dozen .....                               | 391,621 | Cheese, pounds .....                       | 29,080  |
| Butter, pounds .....                            | 64,075  | Nursery Stock, pounds .....                | 2,098   |
| Poultry, Dressed Meat and<br>Game, pounds ..... | 360,678 | Nuts, bushels .....                        | 133     |
| Hides and Tallow, pounds .....                  | 59,548  | Caster Beans, pounds .....                 | 2,190   |
| Small Fruit, C. and B .....                     | 108     | Ship Stuff, pounds .....                   | 156,500 |
| Lumber, feet .....                              | 126,000 | Grass Seed, bushels .....                  | 13,058  |
| Logs and Walnut Logs, cars ....                 | 14      | Corn Meal, pounds .....                    | 1,650   |
| Piling, cars .....                              | 1       |  |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 868,188 | \$3,565,854 | \$ 9.95               |
| Town Lots .....               | 8,562   | 547,099     |                       |
| Horses .....                  | 15,268  | 844,816     | 22.70                 |
| Mules .....                   | 2,298   | 51,740      | 22.56                 |
| Cattle .....                  | 24,984  | 408,175     | 11.98                 |
| Sheep .....                   | 12,011  | 14,598      | 1.21                  |
| Hogs .....                    | 41,840  | 110,697     | 2.64                  |
| Money, bonds and notes .....  |         | 789,461     |                       |
| Other personal property ..... |         | 454,711     |                       |
| Railroad property .....       |         | 817,027     |                       |
| Telegraph property .....      |         | 12,620      |                       |
| Total taxable wealth .....    |         | \$7,066,296 |                       |

## GENERAL STATISTICS.

Average size of farms, 80 acres; fruit acreage, apple, 2,500; peach and cherry, 200; small fruit, 200; average price of land, improved, \$37; unimproved, \$20; average farm wages per month, summer, \$15; winter, \$12; average time employed during year, 8 months; number farm hands employed, 500; average wages, domestic help,

per week, \$2; most profitable products, corn and stock; number public schools, 118; number school teachers, 141; number pupils, 6,769; average school tax levy on \$100, 47 cents; permanent school fund, \$69,082.38.

### TOWNS.

GALLATIN, the county seat, has a population of 2,000. It is located near the center of the county, on the C., R. I. & P. Railroad, near the junction of the Wabash. The town has two newspapers, two banks, two public schools, and is the seat of Grand River College (Baptist), seven churches and five fraternal orders. The town has one flouring mill, ax-handle factory and cigar factory. The streets are macadamized and in good condition. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Pattonsburg .....  | 1,000       |
| Jamesport .....    | 800         |
| Jameson .....      | 450         |
| Winston .....      | 400         |
| Altamont .....     | 300         |
| Lock Springs ..... | 300         |
| Coffeeburg .....   | 300         |
| Carlton .....      | 100         |

### DE KALB COUNTY.

Population 17,000.

Railroads: C. R. I. & P. and H. & St. J.

Northwestern part of the State; 30 miles east of St. Joseph; area, 440 square miles; surface mostly undulating prairie, very fertile. Ten per cent of the land is in timber, consisting of oak, hickory and walnut. Ninety per cent of the land is tillable. The county is drained by Grindstone Creek and its tributaries. Good well water is easily obtained. Limestone for building purposes and clay for making brick are found in large quantities. Wood sells at \$2.50 per cord and coal at \$3 per ton.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                    | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|--------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....         | 32 bushels             | \$0.18                | \$6.00                  |
|       | Wheat .....        | 15 bushels             | .65                   | 6.00                    |
|       | Oats .....         | 22 bushels             | .15                   | 5.00                    |
|       | Potatoes .....     | 90 bushels             | .20                   | 15.00                   |
|       | Clover Seed .....  | 2½ bushels             | 3.00                  | 5.50                    |
|       | Timothy Seed ..... | 4 bushels              | 2.00                  | 5.00                    |
|       | Timothy Hay .....  | 2 tons                 | 6.00                  | 5.00                    |
|       | Clover Hay .....   | 2 tons                 | 5.00                  | 5.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                                  |         |                             |         |
|----------------------------------|---------|-----------------------------|---------|
| Cattle, Hogs, Sheep, head .....  | 56,244  | Feathers, pounds .....      | 3,167   |
| Horses and Mules, head .....     | 443     | Small Fruit, C. and B ..... | 189     |
| Mixed Live Stock, cars .....     | 63      | Building Brick, cars .....  | 1       |
| Wheat, Corn, Oats, bushels ..... | 230,500 | Lumber, feet .....          | 72,000  |
| Hay, bales .....                 | 699     | Wool, pounds .....          | 1,920   |
| Flour, barrels .....             | 1,533   | Dried Fruit, pounds .....   | 2,205   |
| Apples, barrels .....            | 17,402  | Honey, pounds .....         | 2,325   |
| Eggs, dozen .....                | 154,160 | Molasses, gallons .....     | 11,679  |
| Butter, pounds .....             | 113,132 | Cheese, pounds .....        | 17,800  |
| Poultry, Dressed Meat, Game,     |         | Nursery Stock, pounds ..... | 10,240  |
| pounds .....                     | 379,137 | Milk, gallons .....         | 22,454  |
| Hides, Tallow, Furs, pounds..... | 50,519  | Mill Feed, pounds .....     | 140,000 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 268,519 | \$2,652,800 | \$ 9.06            |
| Town Lots.....               | 2,070   | 283,189     |                    |
| Horses .....                 | 9,531   | 303,570     | 21.81              |
| Mules .....                  | 1,468   | 34,080      | 22.20              |
| Oattle .....                 | 19,527  | 285,085     | 12.16              |
| Sheep.....                   | 1,709   | 1,879       | 1.09               |
| Hogs .....                   | 28,524  | 81,517      | 2.85               |
| Money, bonds and notes ..... |         | 606,264     |                    |
| Other personal property..... |         | 193,478     |                    |
| Railroad property .....      |         | 568,389     |                    |
| Telegraph property .....     |         | 5,722       |                    |
| Total taxable wealth .....   |         | \$4,863,022 |                    |

## GENERAL STATISTICS.

Average size of farms, 100 acres; fruit acreage, apple, 2,600; small fruit, 200; average price of land, improved, \$40; unimproved, \$20; average farm wages per month, summer, \$17; winter, \$12; average time employed, 7 months; number farm hands employed, 500; average wages, domestic help, per week, \$2; most profitable products, corn and stock; number public schools, 84; number school teachers, 139; number pupils, 4,830; average school tax levy on \$100, 47 cents; permanent school fund, \$26,433.17.

## TOWNS.

MAYSVILLE, the county seat, has a population of 1,200; is located on the C., R. I. & P. Railroad, near the center of the county. The town has two newspapers, two banks, one public school, five churches, six fraternal orders, one good flouring mill and cigar factory. A creamery and canning factory are desired. The town is

lighted by electricity, plant owned by the municipality. The other towns in the county are:

|                     | Population. |
|---------------------|-------------|
| Stewartsville ..... | 400         |
| Union Star .....    | 300         |
| Osborn .....        | 300         |
| Weatherby .....     | 200         |
| Clarksdale .....    | 200         |
| Amity .....         | 150         |
| Fairport .....      | 100         |

## DENT COUNTY.

Population 14,000.

Railroads: St. L. & S. F. (Branch.)

Southeast central part of the State; 110 miles southwest of St. Louis; area, 720 square miles; surface hilly, and mostly covered with timber; soil fertile and very productive in the valleys. Seventy per cent of the land is tillable. The county is well watered by the Current and Meramec Rivers and many smaller streams. There are also a large number of good springs. There is plenty of limestone and sandstone for building purposes. Iron is extensively mined and copper is also found. Wood is the principal fuel and sells at \$1 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 30 bushels             | \$0.30                | \$6.00                  |
| Wheat .....       | 11 bushels             | .55                   | 6.00                    |
| Oats .....        | 21 bushels             | .24                   | 5.00                    |
| Potatoes .....    | 125 bushels            | .30                   | 14.00                   |
| Timothy Hay ..... | 1½ tons                | 7.00                  | 5.50                    |
| Clover Hay .....  | 2½ tons                | 6.50                  | 5.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 1,200   | Dried Fruit, pounds .....   | 25,484  |
| Hogs, head .....             | 4,480   | Vegetables, pounds .....    | 10,465  |
| Sheep, head .....            | 2,430   | Feathers, pounds .....      | 4,680   |
| Mixed Live Stock, cars ..... | 103     | Nursery Stock, pounds ..... | 7,765   |
| Wheat, bushels .....         | 32,500  | Wool, pounds .....          | 40,392  |
| Flour, barrels .....         | 115     | Lumber, feet .....          | 306,000 |
| Apples, barrels .....        | 1,051   | Cross Ties .....            | 65,341  |
| Eggs, dozen .....            | 78,291  | Cord Wood, cords .....      | 35      |
| Butter, pounds .....         | 1,200   | Pig Lead, tons .....        | 100     |
| Poultry, pounds .....        | 141,108 | Iron Ore, tons .....        | 4,880   |
| Dressed Meat, pounds .....   | 500     | Clover Seed, bushels .....  | 66      |
| Game, pounds .....           | 22,054  | Beeswax, pounds .....       | 380     |
| Hides, pounds .....          | 18,714  | Ship Stuff, pounds .....    | 152,600 |
| Tallow, pounds .....         | 1,971   |                             |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 462,671 | \$1,102,849 | \$ 2.87            |
| Town Lots.....               | 708     | 196,668     | .....              |
| Horses .....                 | 8,849   | 81,880      | 21.18              |
| Mules .....                  | 1,580   | 35,999      | 28.22              |
| Cattle .....                 | 11,181  | 89,798      | 8.08               |
| Sheep .....                  | 10,868  | 10,748      | .96                |
| Hogs .....                   | 16,940  | 25,264      | 1.49               |
| Money, bonds and notes ..... | .....   | 200,915     | .....              |
| Other personal property..... | .....   | 155,840     | .....              |
| Railroad property .....      | .....   | 69,728      | .....              |
| Telegraph property .....     | .....   | 1,014       | .....              |
| Total taxable wealth .....   | .....   | \$1,960,157 | .....              |

## GENERAL STATISTICS.

Average size of farms, 160 acres; fruit acreage, apple, 2,000; peach, 400; average price land, improved, \$15; unimproved, \$3; average farm wages, per month, summer, \$15; winter, \$12; average number months employed, 9; average number farm hands, 200; average wages, domestic help, per week, \$1.50; most profitable products, corn, hay and stock; number public schools, 64; number school teachers, 74; number pupils, 4,430; average school tax levy on \$100, 40 cents; permanent school fund, \$13,524.15.

## TOWNS.

SALEM, the county seat; population, 1,600; is located near the center of the county, and is the terminus of the Salem branch of the Frisco road. The town supports four newspapers, two banks, one graded school, eight churches, six fraternal orders. The town has two wagon factories, planing mill and distillery. A stave factory and canning factory are desired. The streets are well graded and sidewalks are of brick and stone. Other towns are:

|                     | Population. |
|---------------------|-------------|
| Victor Mills .....  | 125         |
| Lake Springs .....  | 75          |
| Sligo Furnace ..... | 50          |

## DOUGLAS COUNTY.

Population 17,000.

No Railroads. K. C. Ft. S. & M. traverses territory immediately north.

Central southern Missouri; 175 miles southwest of St. Louis, and same distance southeast of Kansas City; undulating and hilly; mostly timber, consisting of oak, pine and hickory. Soil is sandy loam and

clay, very productive in the valleys. The county is well watered by the North Fork of White River, Beaver and their tributaries. The soil on the uplands is especially adapted to fruit raising and grazing. Onyx and other valuable stones are found. Lead and zinc have been discovered, but not developed. Wood is the only fuel, price \$1 to \$1.50 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 20 bushels             | \$0.80                | \$5.50                  |
| Wheat .....      | 10 bushels             | .60                   | 5.25                    |
| Oats .....       | 20 bushels             | .30                   | 4.25                    |
| Potatoes.....    | 100 bushels            | .30                   | 16.00                   |
| Timothy Hay..... | 1½ tons                | 7.00                  |                         |
| Clover Hay.....  | 2 tons                 |                       |                         |
| Tobacco .....    | 900 pounds             | .10                   | 38.00                   |

### SURPLUS PRODUCTS SHIPPED.

|                              |         |                       |         |
|------------------------------|---------|-----------------------|---------|
| Cattle, head .....           | 2,300   | Game, pounds .....    | 9,250   |
| Hogs, head .....             | 4,720   | Hides, pounds .....   | 1,280   |
| Horses and Mules, head ..... | 280     | Honey, pounds .....   | 1,500   |
| Sheep, head .....            | 3,980   | Onions, bushels ..... | 420     |
| Corn, bushels .....          | 2,000   | Beeswax, pounds ..... | 290     |
| Potatoes, bushels .....      | 1,530   | Lumber, feet .....    | 150,000 |
| Eggs, dozen .....            | 81,000  | Cross Ties .....      | 2,500   |
| Butter, pounds .....         | 550     | Piling, cars .....    | 2       |
| Poultry, pounds .....        | 152,000 | Wool, pounds .....    | 2,115   |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres.....             | 389,924 | \$1,852,891 | \$ 8.41               |
| Town Lots.....                | 460     | 36,742      |                       |
| Horses .....                  | 6,189   | 125,768     | 20.48                 |
| Mules .....                   | 1,466   | 38,288      | 23.67                 |
| Cattle.....                   | 10,788  | 104,028     | 9.67                  |
| Sheep.....                    | 9,542   | 9,580       | 1.00                  |
| Hogs.....                     | 23,748  | 88,319      | 1.44                  |
| Money, bonds and notes .....  |         | 58,532      |                       |
| Other personal property ..... |         | 108,553     |                       |
| Railroad property .....       |         |             |                       |
| Telegraph property .....      |         |             |                       |
| Total taxable wealth.....     |         |             |                       |

### GENERAL STATISTICS.

Average size of farms, 100 acres; fruit acreage, apple, 3,500; peach, 1,000; average price land, improved, \$12; unimproved, \$2.50; average farm wages, summer, \$12; winter, \$10; average number farm hands, 200; average number months employed, 6; average wages, domestic help, per week, \$1.25; most profitable products,

fruit and stock; number public schools, 98; number school teachers, 107; number pupils, 6,867; average school tax levy on \$100, 60 cents; permanent school fund, \$2,850.31.

## TOWNS.

AVA, the county seat, has a population of about 600. It is located within about five miles of the center of the county and about 14 miles from the K. C., F. S. & M. Railroad on the north. The town has two newspapers, two banks, one public school, three church denominations, two fraternal orders. It also has a flouring mill and brick yard. A railroad is much needed. A lack of transportation facilities, prevents the development of manufacturing and other enterprises. Ava is nicely located and is one of the best inland towns in the State. There are no other towns of importance in the county, but there are many small hamlets and trading points.

## DUNKLIN COUNTY.

Population 18,000.

Railroads: P. & S. E., St. L. K. & S. and Cotton Belt.

Extreme southeast, bordering on Arkansas; 180 miles south of St. Louis; area, 500 square miles; surface low and level; soil is a deep black sandy loam and very productive. The St. Francis and Little Rivers flow through the county. Water is near the surface and easily obtained. Eighty per cent of the land is tillable and 45 per cent is in timber, consisting of yellow pine, gum and cypress, of which large quantities are exported.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                  | Av. Yield per<br>acre. | Av. Selling<br>Price.          | Av. Cost<br>Production. |
|-------|------------------|------------------------|--------------------------------|-------------------------|
|       | Corn .....       | 25 bushels             | \$0.25                         | \$6.00                  |
|       | Potatoes .....   | 125 bushels            | .40                            | 14.00                   |
|       | Cotton.....      | 1½ bales (750 lbs.)    | 2.75 per cwt.<br>(Seed Cotton) | 14.00                   |
|       | Clover Hay.....  | 2 tons                 | 9.00                           | 7.00                    |
|       | Timothy Hay..... | 2 tons                 | 9.00                           | 6.50                    |



## SURPLUS PRODUCTS SHIPPED.

|                              |         |                                |            |
|------------------------------|---------|--------------------------------|------------|
| Cattle, head .....           | 9,450   | Lumber, feet .....             | 14,263,000 |
| Hogs, head .....             | 5,920   | Cross Ties .....               | 16,557     |
| Horses and Mules, head ..... | 120     | Wool, pounds .....             | 615        |
| Sheep, head .....            | 90      | Melons .....                   | 516,000    |
| Corn, bushels .....          | 107,000 | Tobacco, pounds .....          | 445        |
| Flour, barrels .....         | 860     | Cooperage, cars .....          | 183        |
| Eggs, dozen .....            | 105,820 | Cotton, bales .....            | 18,752     |
| Poultry, pounds .....        | 111,768 | Nursery Stock, pounds .....    | 20         |
| Game, pounds .....           | 125,573 | Strawberries, crates .....     | 22         |
| Fish, pounds .....           | 185,386 | Cotton Seed, pounds .....      | 6,270,000  |
| Hides, pounds .....          | 14,411  | Cotton Seed Pro., pounds ..... | 5,150,287  |
| Tallow, pounds .....         | 235     | Corn Meal, pounds .....        | 432,000    |
| Feathers, pounds .....       | 183     |                                |            |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 267,455 | \$1,522,193 | \$ 4.94            |
| Town Lots.....                | 1,574   | 802,920     | .....              |
| Horses .....                  | 4,822   | 97,292      | 22.51              |
| Mules .....                   | 2,317   | 56,581      | 24.42              |
| Cattle .....                  | 12,570  | 77,816      | 6.15               |
| Sheep .....                   | 1,082   | 1,167       | 1.18               |
| Hogs .....                    | 32,615  | 54,221      | 1.65               |
| Money, bonds and notes .....  |         | 180,526     | .....              |
| Other personal property ..... |         | 230,527     | .....              |
| Railroad property.....        |         | 196,241     | .....              |
| Telegraph property .....      |         | 1,965       | .....              |
| Total taxable wealth.....     |         | \$3,470,749 | .....              |

## GENERAL STATISTICS.

Average size of farms, 160 acres; fruit acreage, apple, 500; peach, 500; average price land, improved, \$30; unimproved, \$5; average farm wages, summer, \$15; winter \$15; average number farm hands, 600; average number months employed, 8; average wages, domestic help, per week, \$2; most profitable products, cotton, corn, stock; number public schools, 55; number school teachers, 67; number pupils, 6,675; average school tax levy on \$100, none; permanent school fund, \$12,169.37.

## TOWNS.

KENNETT is the county seat; population, 1,500; located on the St. L., K. & S. It has one newspaper, one bank, one public school, four churches, four fraternal orders. There are four cotton gins, saw and planing mill. Furniture and wagon factories are desired. The

town is lighted by electricity, plant owned by the municipality. Other towns are

|                | Population. |
|----------------|-------------|
| Malden .....   | 1,500       |
| Campbell ..... | 700         |
| Hokcomb .....  | 250         |
| Senath .....   | 200         |

## FRANKLIN COUNTY.

Population 30,000.

Railroads: Mo. Pac., St. L. & S. F. and St. L. K. C. & C.

Located in the central eastern portion; 35 miles from St. Louis, with an area of 866 square miles; surface uneven with rich bottom lands of black sandy loam. Seventy-five per cent of the county is tillable and 40 per cent is timber. The county is drained by the Meramec, Burbeuse and many small streams. Good well water is easily obtained. Coal is found in western part, but is not mined extensively. A small amount of lead has been mined and some zinc and iron are found, but not in paying quantities. Limestone and sandstone for building purposes more than supply the local demand. Fuel is cheap, and timber for railroad ties is abundant.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 26 bushels             | \$0.25                | \$6.00                  |
| Wheat .....       | 13 bushels             | .55                   | 6.00                    |
| Oats .....        | 23 bushels             | .20                   | 5.00                    |
| Potatoes .....    | 100 bushels            | .25                   | 14.00                   |
| Clover Seed ..... | 3 bushels              | 4.00                  |                         |
| Clover Hay .....  | 2 tons                 |                       |                         |
| Timothy Hay ..... | 1½ tons                | 10.00                 | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                              |           |
|------------------------------|-----------|------------------------------|-----------|
| Cattle, head .....           | 3,024     | Posts, cars .....            | 23        |
| Hogs, head .....             | 28,482    | Cord Wood, cords .....       | 7,000     |
| Horses and Mules, head ..... | 63        | Lead Ore, tons .....         | 40        |
| Sheep, head .....            | 3,429     | Pig Lead, tons .....         | 140       |
| Mixed Live Stock, cars ..... | 369       | Iron Ore, tons .....         | 80        |
| Wheat, bushels .....         | 307,175   | Fire Clay, cars .....        | 30        |
| Corn, bushels .....          | 9,519     | Stone and Gravel, cars ..... | 3,337     |
| Oats, bushels .....          | 500       | Sand, cars .....             | 3,072     |
| Hay, bales .....             | 1,398     | Tripoli, pounds .....        | 8,000     |
| Flour, barrels .....         | 90,063    | Wool, pounds .....           | 26,406    |
| Apples, barrels .....        | 4,493     | Cooperage, cars .....        | 92        |
| Potatoes, bushels .....      | 86        | Small Fruit, C. and B. ....  | 429       |
| Tobacco, pounds .....        | 435       | Feathers, pounds .....       | 1,227     |
| Eggs, dozen .....            | 1,241,255 | Vegetables, pounds .....     | 15,050    |
| Butter, pounds .....         | 83,978    | Dried Fruit, pounds .....    | 24,065    |
| Poultry, pounds .....        | 496,391   | Wine, gallons .....          | 5,793     |
| Dressed Meat, pounds .....   | 65,134    | Molasses, gallons .....      | 25        |
| Game, pounds .....           | 7,627     | Nursery Stock, pounds .....  | 180,330   |
| Fish, pounds .....           | 180       | Canned Goods, pounds .....   | 270,000   |
| Lard, pounds .....           | 6,327     | Pop Corn, bushels .....      | 770       |
| Hides, pounds .....          | 110,272   | Nuts, bushels .....          | 60        |
| Tallow, pounds .....         | 279       | Wagon Lumber, cars ....      | 2         |
| Building Brick, cars .....   | 13        | Corn Cobs, cars .....        | 38        |
| Lumber, feet .....           | 1,368,000 | Mill Feed, pounds .....      | 1,745,900 |
| Logs, cars .....             | 7         | Grass Seed, bushels .....    | 6,118     |
| Cross Ties .....             | 41,983    | Onions, bushels .....        | 22        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 532,578 | \$3,404,816 | \$ 6.88            |
| Town Lots .....               | 5,506   | 876,940     | .....              |
| Horses .....                  | 6,708   | 147,441     | 21.95              |
| Mules .....                   | 8,159   | 74,353      | 23.51              |
| Cattle .....                  | 15,259  | 146,802     | 9.55               |
| Sheep .....                   | 5,741   | 6,460       | 1.12               |
| Hogs .....                    | 81,288  | 68,543      | 2.19               |
| Money, bonds and notes .....  | .....   | 497,854     | .....              |
| Other personal property ..... | .....   | 856,770     | .....              |
| Railroad property .....       | .....   | 1,247,987   | .....              |
| Telegraph property .....      | .....   | 25,077      | .....              |
| Total taxable property .....  | .....   | \$6,854,608 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; fruit acreage, apple, 2,500; peach, 200; average price of land, improved, \$45; unimproved, \$25; average farm wages, summer, \$15; winter \$12; number of farm hands employed, 600; average number months employed, 8; average wages, domestic help, per week, \$2; most profitable products, corn, stock and fruit; number public schools, 123; number school teachers, 143; number pupils, 10,304; average school tax levy on \$100, 43 cents; permanent school fund, \$40,454.72.

## CITIES AND TOWNS.

UNION, the county seat, is located on the St. Louis, Kansas City & Colorado Railroad and has a population of 800. It has one newspaper, one bank, three churches, one public school, three fraternal orders, one flouring mill. The town is lighted by electricity, furnished by a plant owned by the city.

WASHINGTON is the largest town in the county and is located on the Missouri Pacific Railroad, with a population of 3,500. It is quite important as a commercial center. Other towns in the county are:

|                 | Population. |
|-----------------|-------------|
| Pacific .....   | 1,800       |
| New Haven ..... | 500         |
| St. Clair ..... | 350         |
| Sullivan .....  | 300         |

## GASCONADE COUNTY.

Population 18,000.

Railroads: Mo. Pac.

East central Missouri, bordered on the north by Missouri River, 70 miles west of St. Louis; area, 510 square miles; surface hilly and uneven, mostly timber; considerable prairie in the center of the county; soil is rich sandy loam along the streams and very productive. The county is watered by the Gasconade and Burbeuse Rivers and their tributaries. Sixty-five per cent of the land is tillable. Iron ore, sulphur and saltpeter are found; also, limestone and red clay, suitable for brick and tile. Wood is the principal fuel, price \$1.50 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 30 bushels             | \$0.20                | \$6.00                  |
| Wheat .....       | 14 bushels             | .55                   | 5.75                    |
| Oats .....        | 25 bushels             | .25                   | 5.00                    |
| Potatoes .....    | 150 bushels            | .35                   | 12.00                   |
| Timothy Hay ..... | 1½ tons                | 7.00                  | 5.00                    |
| Clover Hay .....  | 2 tons                 | 7.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                                 |         |
|------------------------------|---------|---------------------------------|---------|
| Cattle, head .....           | 100     | Tallow, pounds .....            | 9,905   |
| Horses and Mules, head ..... | 60      | Dried Fruit, pounds .....       | 30,500  |
| Hogs and Sheep, head .....   | 13,380  | Feathers, pounds .....          | 1,067   |
| Mixed Live Stock, cars ..... | 10      | Wine, gallons .....             | 268,157 |
| Wheat, bushels .....         | 218,500 | Vinegar, gallons .....          | 9,160   |
| Corn, bushels .....          | 24,000  | Ship Stuff (feed), pounds ..... | 940,000 |
| Oats, bushels .....          | 2,250   | Clover Seed, bushels .....      | 3,672   |
| Flour, barrels .....         | 14,347  | Lumber, feet .....              | 9,000   |
| Apples, barrels .....        | 659     | Building Brick, cars .....      | 1       |
| Eggs, dozen .....            | 496,590 | Ice, cars .....                 | 2       |
| Butter, pounds .....         | 22,425  | Wool, pounds .....              | 11,536  |
| Poultry, pounds .....        | 245,922 | Cooperage, cars .....           | 6       |
| Dressed Meat, pounds .....   | 2,940   | Corn Cobs, cars .....           | 2       |
| Game, pounds .....           | 1,632   | Bacon, pounds .....             | 60,065  |
| Hides, pounds .....          | 80,905  | Nuts, bushels .....             | 160     |
| Lard, pounds .....           | 30,060  | Onions, bushels .....           | 111     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 321,199 | \$1,691,497 | \$ 5.26            |
| Town Lots.....                | 2,540   | 889,052     | .....              |
| Horses .....                  | 2,888   | 68,547      | 24.15              |
| Mules .....                   | 2,227   | 54,558      | 24.50              |
| Cattle .....                  | 8,560   | 17,500      | 9.08               |
| Sheep .....                   | 4,458   | 8,970       | 1.86               |
| Hogs .....                    | 16,547  | 38,262      | 2.00               |
| Money, bonds and notes .....  | .....   | 900,418     | .....              |
| Other personal property ..... | .....   | 226,064     | .....              |
| Railroad property .....       | .....   | 308,872     | .....              |
| Telegraph property .....      | .....   | 8,721       | .....              |
| Total taxable wealth.....     | .....   | \$3,711,876 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; fruit acreage, apple, 1,000; peach, 500; grapes, 1,200; average price land, improved, \$35; unimproved, \$6; average farm wages per month, summer, \$13; winter, \$11; average number farm hands in county, 450; average number months employed in year, 8; average wages, domestic help, per week, \$2; most profitable products, corn, fruit and stock; number public schools, 58; number public school teachers, 63; number pupils, 4,226; average school tax levy on \$100, 41 cents; permanent school fund, \$10,996.50.

## TOWNS.

HERMANN, the county seat, is located on the Missouri River and on the main line of the Missouri Pacific Railroad. It has a population of 1,600; two newspapers, one bank, one public school, five churches, four fraternal orders. The town has a brewery, distillery, flouring

mill, machine and plow factory. The streets are macadamized and the sidewalks are of stone and brick. The city owns and operates its own electric light plant. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Morrison .....   | 300         |
| Gasconade .....  | 200         |
| Owensville ..... | 150         |

## GENTRY COUNTY.

Population 28,000.

Railroads: C. B. & Q. and O. & St. L.

Located in the northwestern part of the State; 85 miles north of Kansas City, with an area of 450 square miles. The surface is a rolling prairie with timber along the numerous water courses. The soil is a rich black loam, very productive. Fully 80 per cent of the land is tillable. The streams of the county are Grand River and its branches. A small vein of coal is found in the northern part, but not enough to supply the demand. Wood sells at \$3 and coal, \$3.50.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.16                | \$6.00                  |
| Wheat .....        | 15 bushels             | .60                   | 6.00                    |
| Oats .....         | 25 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .15                   | 14.00                   |
| Clover Seed .....  | 2½ bushels             | 3.00                  | 5.00                    |
| Timothy Seed ..... | 4 bushels              | 2.00                  | 5.00                    |
| Timothy Hay .....  | 1½ ton                 | 5.00                  | 5.00                    |
| Clover Hay .....   | 2 tons                 | 4.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                  |         |                                   |        |
|----------------------------------|---------|-----------------------------------|--------|
| Cattle, Hogs, Sheep, head .....  | 65,550  | Sewer Pipe and Tile, cars .....   | 3      |
| Horses and Mules, head .....     | 2,600   | Lumber, feet .....                | 45,000 |
| Mixed Live Stock, cars .....     | 5       | Walnut Logs and Posts, cars ..... | 6      |
| Wheat, Corn, Oats, bushels ..... | 179,500 | Cross Ties .....                  | 1,274  |
| Hay, bales .....                 | 5,126   | Cord Wood, cords .....            | 560    |
| Rye, bushels .....               | 1,800   | Stone, cars .....                 | 1      |
| Flour, barrels .....             | 900     | Wool, pounds .....                | 48,650 |
| Apples, barrels .....            | 7,080   | Cooperage, cars .....             | 2      |
| Eggs, dozen .....                | 457,000 | Feathers, pounds .....            | 1,068  |
| Butter, pounds .....             | 91,356  | Molasses, gallons .....           | 466    |
| Poultry and Game, pounds .....   | 335,968 | Cheese, pounds .....              | 40     |
| Dressed Meat, pounds .....       | 3,175   | Cider, gallons .....              | 4,500  |
| Hides and Tallow, pounds .....   | 124,513 | Grass Seed, bushels .....         | 5,928  |
| Building Brick, cars .....       | 26      |                                   |        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 309,115 | \$2,767,058 | \$ 8.95            |
| Town Lots.....               | 8,456   | 653,498     |                    |
| Horses.....                  | 15,913  | 256,350     | 21.80              |
| Mules.....                   | 1,504   | 33,112      | 22.01              |
| Cattle.....                  | 24,449  | 365,421     | 14.94              |
| Sheep.....                   | 8,850   | 12,102      | 1.36               |
| Hogs.....                    | 80,647  | 94,274      | 3.06               |
| Money, bonds and notes.....  |         | 772,839     |                    |
| Other personal property..... |         | 487,301     |                    |
| Railroad property.....       |         | 306,650     |                    |
| Telegraph property.....      |         | 6,787       |                    |
| Total taxable wealth....     |         | \$5,804,287 |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; fruit acreage, apple, 2,500; cherry and small fruits, 300; average price of improved land, \$40; unimproved, \$20; average price of farm labor, summer, \$20; winter, \$15; average number of farm hands, 500; average number months employed, 7; average wages, domestic help, per week, \$2; most profitable products, corn, hay and stock; number public schools, 91; number teachers, 141; number pupils, 6,820; average school tax levy on \$100, 50 cents; permanent school fund, \$79,622.26.

## TOWNS.

ALBANY, the county seat, is located on the C., B. and Q. Railroad and has a population of 2,500. It has three newspapers, two banks, one public school, two colleges, seven churches, seven fraternal orders, flouring mill, an electric light plant, owned by the city, and is a good trading center. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Stanberry .....  | 2,500       |
| King City .....  | 1,000       |
| McFall .....     | 600         |
| Darlington ..... | 400         |

## GREENE COUNTY.

Population 58,000.

Railroads: St. L. & S. (and two branches); K. C. Ft. S. & M. (and one branch).

Southwest Missouri; 175 miles southeast of Kansas City and 200 miles southwest of St. Louis. The area is 688 square miles; surface, undulating and portions hilly, diversified prairie and woodland; soil,

very fertile, sandy loam in bottoms; uplands light sandy loam, with clay and gravel subsoil, especially adapted to fruit growing. The county is drained by the Sac, James Fork of White River and many smaller streams. There are many good springs in the county and wells are easily obtained. Seventy-five per cent of the land is tillable and 25 per cent is in timber, of the usual varieties. Zinc and lead are mined in small quantities. A superior quality of limestone is found in almost inexhaustible quantities, from which lime is extensively manufactured. Wood is the principal fuel and retails at \$1.50 and \$2 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 33 bushels             | \$0.20                | \$6.00                  |
| Wheat .....        | 12 bushels             | .50                   | 6.00                    |
| Oats .....         | 20 bushels             | .25                   | 5.00                    |
| Potatoes .....     | 70 bushels             | .30                   | 16.00                   |
| Clover Seed .....  | 2 bushels              | 4.00                  | 5.00                    |
| Timothy Seed ..... | 3½ bushels             | 2.00                  | 4.00                    |
| Timothy Hay .....  | 1½ tons                | 8.00                  | 4.00                    |
| Clover Hay .....   | 1½ tons                | 7.00                  | 4.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                                |         |
|------------------------------|-----------|--------------------------------|---------|
| Cattle, head .....           | 5,068     | Lumber, feet .....             | 198,000 |
| Hogs, head .....             | 23,522    | Posts, cars .....              | 2       |
| Horses and Mules, head ..... | 1,360     | Cord Wood, cords .....         | 1,442   |
| Sheep, head .....            | 1,800     | Zinc Ore, tons .....           | 720     |
| Mixed Live Stock, cars ..... | 285       | Lime and Cement, barrels ..... | 351,000 |
| Wheat, bushels .....         | 182,000   | Stone and Sand, cars .....     | 115     |
| Corn, bushels .....          | 6,500     | Wool, pounds .....             | 92,775  |
| Oats, bushels .....          | 3,750     | Cooperage, cars .....          | 107     |
| Hay, bales .....             | 8,854     | Cotton, bales .....            | 263     |
| Flour, barrels .....         | 280,080   | Feathers, pounds .....         | 58,023  |
| Apples, barrels .....        | 53,570    | Furs, pounds .....             | 520     |
| Potatoes, bushels .....      | 450       | Vegetables, pounds .....       | 641,200 |
| Eggs, dozen .....            | 2,127,889 | Dried Fruit, pounds .....      | 56,310  |
| Butter, pounds .....         | 26,875    | Cheese, pounds .....           | 187     |
| Poultry, pounds .....        | 2,253,579 | Vinegar, gallons .....         | 4,040   |
| Dressed Meat, pounds .....   | 948       | Nursery Stock, pounds .....    | 179,724 |
| Game, pounds .....           | 49,515    | Beeswax, pounds .....          | 440     |
| Fish, pounds .....           | 2,106     | Strawberries, crates .....     | 11,441  |
| Hides, pounds .....          | 471,286   | Peaches, baskets .....         | 4,095   |
| Tallow, pounds .....         | 33,949    | Pears, barrels .....           | 758     |
| Small Fruit, crates .....    | 6,424     | Ship Stuff, pounds .....       | 426,528 |
| Fire Brick, cars .....       | 57        | Grass Seed, bushels .....      | 500     |



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.       | Average Valuation. |
|------------------------------|---------|--------------|--------------------|
| Lands, acres.....            | 418,425 | \$3,862,760  | \$ 8.08            |
| Town Lots.....               | 17,942  | 6,040,687    | .....              |
| Horses .....                 | 14,978  | 849,591      | 28.53              |
| Mules .....                  | 4,759   | 109,676      | 23.04              |
| Cattle .....                 | 19,604  | 201,764      | 10.28              |
| Sheep .....                  | 8,116   | 6,802        | 1.08               |
| Hogs .....                   | 45,299  | 88,026       | 1.94               |
| Money, bonds and notes.....  | .....   | 667,689      | .....              |
| Other personal property..... | .....   | 1,257,796    | .....              |
| Railroad property.....       | .....   | 1,208,891    | .....              |
| Telegraph property .....     | .....   | 13,643       | .....              |
| Total taxable wealth.....    | .....   | \$18,302,068 | .....              |

## GENERAL STATISTICS.

Average size of farms, 80 acres; fruit acreage, apple, 10,000; peach, 900; small fruits, 675; average price of improved land, \$40; unimproved, \$10; average price of farm labor, summer, \$14; winter, \$12; average number farm hands, 900; average number months employed, 6; average wages, domestic help, per week, \$2; most profitable products, fruit and stock; number public schools, 140; number teachers, 215; number pupils, 15,748; average school tax levy on \$100, 43 cents; permanent school fund, \$46,474.94.

## CITIES AND TOWNS.

SPRINGFIELD, the county seat, has a population of 30,000, and is the fourth city in the State in size. It is centrally located on the main line of the Frisco and K. C., Ft. S. & Memphis. The city has nine newspapers, including two dailies and three or four college and society papers. There are five banks with an aggregate capital of \$525,000, eight ward schools, one central high school, one normal school, Lorretta Academy and Drury College, one of the best known institutions in the West. There are fourteen churches and fourteen fraternal orders. Almost every manufacturing industry is represented and the city is reaching out for additional manufacturing concerns. The city is supplied with water, gas and electric light by corporations. There are several miles of the city's streets paved with vitrified brick and several miles of streets are macadamized. The drainage and sewerage systems are good. The city also has a system of electric street railways. It is the center of a large wholesale trade and with proper

effort and energy on the part of her citizens will be able to increase her business and population. The towns in Greene County are:

|                    | Population. |
|--------------------|-------------|
| Ash Grove .....    | 2,000       |
| Republic .....     | 1,000       |
| Fair Grove .....   | 800         |
| Nichols .....      | 300         |
| Willard .....      | 250         |
| Walnut Grove ..... | 200         |
| Galliway .....     | 150         |
| Bois d'Arc .....   | 150         |
| Strafford .....    | 100         |
| Dorchester .....   | 100         |
| Plainfield .....   | 100         |

## GRUNDY COUNTY.

Population 20,000.

Railroads: C. R. I. & P., C. M. & St. P. and Q. O. & K. C.

Located in the central northern portion of the State, with an area of 460 square miles. It is 80 miles northeast of Kansas City, and the second county from the Iowa line. The surface is gently undulating with rich, productive bottom lands. The soil is mostly black loam underlaid with clay subsoil. The streams are Grand River and its branches and Medicine Creek, which furnish ample drainage. Coal is extensively mined, and forms an important part of the products of the county. The county is famous for its blue grass pastures and fine stock. Water is plenty and fuel cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 35 bushels             | \$0.20                | \$6.50                  |
| Wheat .....       | 12 bushels             | .65                   | 6.00                    |
| Oats .....        | 25 bushels             | .15                   | 5.00                    |
| Potatoes.....     | 100 bushels            | .30                   | 14.00                   |
| Clover Seed.....  | 1½ bushels             | 2.00                  | 5.00                    |
| Timothy Seed..... | 2½ bushels             | 1.25                  | 4.50                    |
| Timothy Hay.....  | 1 ton                  | 5.00                  | 5.00                    |
| Flax .....        | 9 bushels              | .50                   | 6.50                    |

## SURPLUS PRODUCTS SHIPPED.

|  |         |   |         |
|--|---------|---|---------|
| Cattle, Hogs, Sheep, head .....              | 46,242  | Lumber, feet .....                          | 72,000  |
| Horses and Mules, head .....                 | 1,425   | Wool, pounds .....                          | 39,370  |
| Mixed Live Stock, cars .....                 | 8       | Tobacco, pounds .....                       | 1,690   |
| Wheat, Corn, Oats, bushels.....              | 43,250  | Cooperage, cars .....                       | 1       |
| Hay, bales .....                             | 4,427   | Small Fruit, C. and E. ....                 | 67      |
| Flour, barrels .....                         | 381     | Feathers, pounds .....                      | 2,244   |
| Apples, barrels .....                        | 999     | Vegetables and Dried Fruit,<br>pounds ..... | 3,604   |
| Potatoes, bushels .....                      | 39      | Cheese, pounds .....                        | 1,091   |
| Eggs, dozen .....                            | 325,630 | Nursery Stock, pounds .....                 | 10,860  |
| Butter, pounds .....                         | 65,655  | Ship Stuff, pounds .....                    | 140,000 |
| Poultry, Dressed Meat, Game,<br>pounds ..... | 432,468 | Grass Seed, bushels .....                   | 3,229   |
| Hides and Tallow, pounds .....               | 114,562 |   |         |

## ASSESSED VALUATION OF PROPERTY, 1896

| PROPERTY ASSESSED.                | No.     | Value.             | Average<br>Valuation. |
|-----------------------------------|---------|--------------------|-----------------------|
| Lands, acres .....                | 272,897 | \$2,564,740        | \$ 9.39               |
| Town Lots .....                   |         | 1,062,100          |                       |
| Horses .....                      | 9,780   | 211,860            | 21.71                 |
| Mules .....                       | 1,069   | 26,284             | 25.65                 |
| Cattle .....                      | 20,714  | 281,786            | 18.60                 |
| Sheep .....                       | 9,764   | 9,625              | .98                   |
| Hogs .....                        | 17,265  | 48,308             | 2.80                  |
| Money, bonds and notes .....      |         | 521,130            |                       |
| Other personal property .....     |         | 847,080            |                       |
| Railroad property .....           |         | 696,851            |                       |
| Telegraph property .....          |         | 7,210              |                       |
| <b>Total taxable wealth .....</b> |         | <b>\$5,650,909</b> |                       |

## GENERAL STATISTICS.

Average size of farms, 80 acres; fruit acreage, apple, 2,500; small fruits, 200; average price of improved land, \$30; unimproved, \$10; average price of farm labor, summer, \$15; winter, \$12; average number of farm hands, 500; average number of months employed, 6; average wages, domestic help, per week, \$1.50; most profitable products, grain and stock; number public schools, 121; number teachers, 161; number pupils, 5,589; average school tax levy on \$100, 48 cents; permanent school fund, \$47,696.76.

## CITIES AND TOWNS.

TRENTON, the county seat, is located on the Chicago, Rock Island & Pacific and the Omaha & Kansas City Railroads, and has a population of 6,500. It has three newspapers, two banks, three school buildings, six churches, nine fraternal orders; is lighted by gas and electricity; has system of water works, two flouring mills, one

handle factory. Streets are macadamized and in good condition. Other towns in the county are:

|                | Population. |
|----------------|-------------|
| Gault .....    | 700         |
| Spickard ..... | 500         |
| Laredo .....   | 300         |
| Edinburg ..... | 200         |
| Alpha .....    | 75          |

### HARRISON COUNTY.

Population 28,800.

Railroads: C. B. & Q. and D. M. & K. C.

Northwest Missouri; fourth county from Nebraska and next the Iowa line; 60 miles northeast of St. Joseph; area, 730 square miles, largely prairie, undulating and very productive along the streams. The county is drained by the east fork of Grand River and tributaries. Seventy-five per cent of the land is tillable and 20 per cent is in timber. Plenty of good wells are obtained at a depth of from 15 to 50 feet. Some limestone and fire clay is found. Fuel mostly wood and sells at \$1.50 per cord and upwards.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 38 bushels             | \$0.15                | \$ 6.00                 |
| Wheat .....        | 10 bushels             | .60                   | 5.75                    |
| Oats .....         | 20 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 75 bushels             | .20                   | 15.00                   |
| Timothy Seed ..... | 2 bushels              | 2.00                  |                         |
| Timothy Hay .....  | 1½ tons                | 5.00                  |                         |
| Clover Hay .....   | 2 tons                 | 4.00                  |                         |

### SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 14,434  | Tallow, pounds .....        | 18,780  |
| Hogs, head .....             | 50,480  | Lumber, feet .....          | 171,000 |
| Horses and Mules, head ..... | 1,083   | Cord Wood, cords .....      | 42      |
| Sheep, head .....            | 4,320   | Wool, pounds .....          | 49,446  |
| Wheat, bushels .....         | 2,500   | Small Fruit, C. and B ..... | 5       |
| Corn, bushels .....          | 30,500  | Feathers, pounds .....      | 1,095   |
| Oats, bushels .....          | 11,250  | Furs, pounds .....          | 420     |
| Hay, bales .....             | 24,931  | Vegetables, pounds .....    | 700     |
| Rye, bushels .....           | 1,800   | Dried Fruit, pounds .....   | 235     |
| Flour, barrels .....         | 58      | Molasses, gallons .....     | 500     |
| Apples, barrels .....        | 320     | Cheese, pounds .....        | 1,700   |
| Eggs, dozen .....            | 543,040 | Canned Goods, pounds .....  | 409,815 |
| Butter, pounds .....         | 306,069 | Pop Corn, bushels .....     | 100     |
| Poultry, pounds .....        | 662,842 | Ship Stuff, pounds .....    | 30,308  |
| Game, pounds .....           | 4,849   | Grass Seed, bushels .....   | 7,927   |
| Hides, pounds .....          | 50,470  | Corn Meal, pounds .....     | 11,980  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 451,830 | \$3,947,545 | \$ 8.73            |
| Town Lots .....               | 8,402   | 535,173     |                    |
| Horses .....                  | 18,488  | 406,327     | 22.11              |
| Mules .....                   | 2,276   | 53,646      | 23.56              |
| Cattle .....                  | 32,741  | 476,731     | 14.55              |
| Sheep .....                   | 6,510   | 6,371       | .97                |
| Hogs .....                    | 35,127  | 84,445      | 2.40               |
| Money, bonds and notes .....  |         | 705,708     |                    |
| Other personal property ..... |         | 611,988     |                    |
| Railroad property .....       |         | 181,550     |                    |
| Telegraph property .....      |         |             |                    |
| Total taxable wealth .....    |         | \$7,012,087 |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; fruit acreage, apple, 2,500; small fruit, 200; average price of land, improved, \$40; unimproved, \$20; average wages of farm labor, summer, \$15; winter, \$12; average number farm hands, 400; average number months employed, 6; average wages, domestic help, per week, \$2; most profitable products, corn, hay and stock; number public schools, 162; number school teachers, 187; number pupils, 7,684; average school tax levy on \$100, 42 cents; permanent school fund, \$68,899.55.

## TOWNS.

BETHANY is the county seat; population, 1,400; located in the south central part of the county on the C., B. & Q. Railroad. It has two newspapers, two banks, one public school and an excellent business college, four churches, six fraternal orders, one flouring mill, one canning factory, cigar factory, and a broom factory. The streets are macadamized and the city is supplied with water and electric lights, by a system of its own. Other towns are:

|                   | Population. |
|-------------------|-------------|
| Cainsville .....  | 700         |
| Ridgway .....     | 500         |
| Eagleville .....  | 400         |
| New Hampton ..... | 200         |

## HENRY COUNTY.

Population 32,500.

Railroads: M. K. &amp; T., K. C. C. &amp; S. and K. C. O. &amp; S.

Located in the central western part of the State; 70 miles south-east of Kansas City, with an area of 740 square miles. The surface is undulating and well timbered. Fully 90 per cent of land is tillable and 15 per cent timber. The soil is a black sandy loam and very fertile. The county is drained by Grand and Osage Rivers and their various branches. The county is underlaid with a rich deposit of coal, which is mined to the extent of 70,000 tons annually. Mining is carried on more or less in every township in the county. Some iron is also found, but is not mined successfully. Good water is easily procured and fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 32 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....       | 10 bushels             | .55                   | 5.00                    |
| Oats .....        | 25 bushels             | .14                   | 4.00                    |
| Flax .....        | 5 bushels              | .43                   | 4.50                    |
| Potatoes .....    | 100 bushels            | .20                   | 12.00                   |
| Timothy Hay ..... | 1½ tons                | 6.00                  | 4.00                    |
| Clover Hay .....  | 1½ tons                | 5.00                  | 4.00                    |
| Tobacco .....     | 1000 pounds            | .04½                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                 |           |                              |         |
|---------------------------------|-----------|------------------------------|---------|
| Cattle, Hogs, Sheep, head ..... | 89,243    | Cord Wood, cords .....       | 1,089   |
| Horses and Mules, head .....    | 2,300     | Coal, tons .....             | 26,060  |
| Mixed Live Stock, cars .....    | 47        | Fire Clay, Stone, cars ..... | 159     |
| Wheat, Corn, Oats, bushels .... | 328,500   | Wool, Feathers, pounds ..... | 32,247  |
| Mixed Grain, cars .....         | 17        | Cooperage, cars .....        | 3       |
| Hay, bales .....                | 142,130   | Furs, pounds .....           | 3,567   |
| Flax Seed, bushels .....        | 106,200   | Vegetables, pounds .....     | 63,565  |
| Flour, barrels .....            | 248,661   | Dried Fruit, pounds .....    | 1,085   |
| Mill Feed, pounds .....         | 3,910,000 | Onions, bushels .....        | 65      |
| Apples, barrels .....           | 517       | Molasses, gallons .....      | 1,104   |
| Potatoes, bushels .....         | 765       | Nursery Stock, pounds .....  | 40,743  |
| Eggs, dozen .....               | 1,298,448 | Canned Goods, pounds .....   | 10,075  |
| Butter, pounds .....            | 102,051   | Beeswax, pounds .....        | 40      |
| Poultry and Game, pounds ....   | 4,180,628 | Pop corn, bushels .....      | 25      |
| Dressed Meat, pounds .....      | 3,084     | Peaches, baskets .....       | 338     |
| Hides and Tallow, pounds ....   | 68,233    | Nuts, bushels .....          | 189     |
| Small Fruit, C. and B. ....     | 227       | Castor Beans, pounds .....   | 6,050   |
| Building Brick, cars .....      | 414       | Timothy Seed, bushels .....  | 3,120   |
| Lumber, feet .....              | 90,000    | Corn Meal, pounds .....      | 488,000 |
| Logs, cars .....                | 9         | Broom Corn, cars .....       | 99      |
| Cross Ties .....                | 1,086     |                              |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 458,081 | \$3,902,550 | \$ 8.52            |
| Town Lots .....               | 7,845   | 235,950     |                    |
| Horses .....                  | 13,685  | 239,155     | 21.20              |
| Mules .....                   | 3,433   | 52,595      | 24.05              |
| Cattle .....                  | 24,049  | 235,747     | 12.28              |
| Sheep .....                   | 1,775   | 1,530       | 1.05               |
| Hogs .....                    | 29,708  | 78,414      | 2.65               |
| Money, bonds and notes .....  |         | 694,315     |                    |
| Other personal property ..... |         | 735,817     |                    |
| Railroad property .....       |         | 930,222     |                    |
| Telegraph property .....      |         | 9,535       |                    |
| Total taxable wealth .....    |         | \$8,305,492 |                    |

## GENERAL STATISTICS.

Average size of farms, 100 acres; fruit acreage, apple, 9,000; peaches, 800; cherry, 700; average price of improved land, \$30; unimproved, \$10; average wages of farm labor, summer and winter, \$14; average number farm hands, 600; average number months employed, 7; average wages, domestic help, \$2 per week; most profitable products, corn, stock and hay; number public schools, 117; number teachers, 176; number pupils, 10,112; average school tax levy on \$100, 51 cents; permanent county school fund, \$34,128.75.

## CITIES AND TOWNS.

CLINTON, the county seat, is located on the M., K. & T. and Clinton branch of the K. C., Ft. S. & M. Railroad, and has a population of 6,500. It is an important commercial center and has four newspapers, two banks, four public schools; is the seat of Baird Female College; has eight churches, nine fraternal orders, a foundry, pottery, etc. The city is lighted by electricity and has a good system of water works. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Windsor .....    | 2,000       |
| Calhoun .....    | 1,000       |
| Deepwater .....  | 1,000       |
| Montrose .....   | 1,000       |
| Urich .....      | 500         |
| Blairstown ..... | 400         |

## HICKORY COUNTY.

Population 11,000.

No Railroads. (K. C. C. &amp; S. near western border.)

Southwest central part of State; 100 miles southeast of Kansas City; area, 415 square miles; surface somewhat hilly, prairie and woodland in about equal proportions; soil, dark sandy loam and very fertile on the bottoms, drained by Pomme de Terre, Weaubleau and Little Niangua. Two-thirds of the land is tillable. Timber is nearly all hard wood, of good quality. Coal, lead and zinc have been discovered. Wood is the only fuel and sells at \$1.25 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.20                | \$ 5.00                 |
| Wheat .....       | 9 bushels              | .65                   | 5.00                    |
| Oats .....        | 17 bushels             | .20                   | 4.00                    |
| Potatoes .....    | 60 bushels             | .30                   | 18.00                   |
| Timothy Hay ..... | 1½ tons                | 6.00                  | 3.50                    |
| Clover Hay .....  | 1½ tons                | 5.50                  | 4.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                 |         |                        |        |
|---------------------------------|---------|------------------------|--------|
| Cattle, Hogs, Sheep, head ..... | 14,369  | Hides, pounds .....    | 16,000 |
| Horses and Mules, head .....    | 300     | Lard, pounds .....     | 506    |
| Mixed Live Stock, cars .....    | 15      | Furs, pounds .....     | 1,500  |
| Flax Seed, cars .....           | 4       | Feathers, pounds ..... | 1,800  |
| Apples, barrels .....           | 1,500   | Cross Ties .....       | 5,430  |
| Eggs, dozen .....               | 170,000 | Wool, pounds .....     | 12,000 |
| Butter, pounds .....            | 1,120   | Onions, bushels .....  | 400    |
| Poultry and Game, pounds .....  | 127,300 | Cider, gallons .....   | 1,200  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.    | Average<br>Valuation. |
|-------------------------------|---------|-----------|-----------------------|
| Lands, acres .....            | 233,590 | \$988,544 | \$ 4.21               |
| Town Lots .....               | 682     | 80,122    |                       |
| Horses .....                  | 5,987   | 180,393   | 21.77                 |
| Mules .....                   | 1,717   | 39,332    | 22.93                 |
| Cattle .....                  | 11,711  | 127,821   | 10.87                 |
| Sheep .....                   | 6,898   | 7,084     | 1.02                  |
| Hogs .....                    | 21,831  | 43,918    | 2.00                  |
| Money, bonds and notes .....  |         | 231,794   |                       |
| Other personal property ..... |         | 133,411   |                       |
| Railroad property .....       |         |           |                       |
| Telegraph property .....      |         |           |                       |
| Total taxable wealth .....    |         |           |                       |



## GENERAL STATISTICS.

Average size of farms, 60 acres; fruit acreage, apple, 2,000; average price improved land, \$15; unimproved, \$4; average wages farm labor, per month, winter, \$14; summer, \$10; average number farm hands, 250; average number months employed, 5; average wages, domestic help, \$1.50 per week; most profitable products, corn, hay and stock; number public schools, 61; number school teachers, 66; number pupils, 3,736; average school tax levy on \$100, 47 cents; permanent school fund, \$17,662.57.

## TOWNS.

HERMITAGE, the county seat, population 500, is located on the Pomme de Terre River, near the center of the county. The town has one newspaper, one bank, one public school, four churches, three fraternal orders, one saw and flouring mill. Other towns in the county are:

|                     | Population. |
|---------------------|-------------|
| Wheatland .....     | 400         |
| Cross Timbers ..... | 375         |
| Weaubleau .....     | 200         |
| Quincy .....        | 150         |
| Preston .....       | 85          |
| Pittsburg .....     | 75          |

## HOLT COUNTY.

Population 15,800.

Railroads: K. C. St. J. & C. B. and Branches.

Located in the northwestern portion of the State; 70 miles north of Kansas City and bounded on the West by the Missouri River. It has an area of 462 square miles and its surface is hilly and broken in the eastern portion and level bottom land in the western. The soil is a rich black or sandy loam and very productive. Eighty per cent of the land is tillable and only 15 per cent of it is covered with timber. The county is drained by the Tarkio and the Nodaway Rivers and their branches, giving the county much rich bottom land. Foundation stone is found in very limited quantities. Good well water is easily obtained and fuel is comparatively cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.16                | \$ 6.00                 |
| Wheat .....        | 16 bushels             | .58                   | 6.00                    |
| Oats .....         | 27 bushels             | .15                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .18                   | 14.00                   |
| Timothy Hay .....  | 1½ tons                | 6.50                  | 5.00                    |
| Clover Hay .....   | 2 tons                 | 6.00                  | 5.00                    |
| Clover Seed .....  | 2 bushels              | 3.00                  | 5.00                    |
| Timothy Seed ..... | 4 bushels              | 2.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                             |         |
|--------------------------------|---------|-----------------------------|---------|
| Cattle, head .....             | 22,835  | Building Brick, cars .....  | 5       |
| Hogs, head .....               | 66,063  | Lumber, feet .....          | 18,000  |
| Horses and Mules, head .....   | 340     | Posts, cars .....           | 2       |
| Sheep, head .....              | 810     | Cord Wood, cords .....      | 985     |
| Mixed Live Stock, cars .....   | 4       | Sand, cars .....            | 7       |
| Wheat, bushels .....           | 94,500  | Wool, pounds .....          | 7,500   |
| Corn, bushels .....            | 600,500 | Tobacco, pounds .....       | 5,000   |
| Oats, bushels .....            | 6,000   | Feathers, pounds .....      | 350     |
| Hay, bales .....               | 5,359   | Furs, pounds .....          | 578     |
| Rye, bushels .....             | 10,200  | Vegetables, pounds .....    | 3,360   |
| Flour, barrels .....           | 6,340   | Dried Fruit, pounds .....   | 2,390   |
| Apples, barrels .....          | 52,410  | Cheese, pounds .....        | 44,500  |
| Potatoes, bushels .....        | 3,060   | Nursery Stock, pounds ..... | 1,213   |
| Eggs, dozen .....              | 83,010  | Canned Goods, pounds .....  | 720,000 |
| Butter, pounds .....           | 25,634  | Peaches, baskets .....      | 767     |
| Poultry, pounds .....          | 79,651  | Strawberries, crates .....  | 1,366   |
| Dressed Meat and Game, pounds. | 2,359   | Beeswax, pounds .....       | 50      |
| Fish, pounds .....             | 225     | Ship Stuff, pounds .....    | 334,000 |
| Hides and Tallow, pounds ..... | 89,937  | Grass Seed, bushels .....   | 2,900   |
| Small Fruit, C. and B .....    | 1,239   | Corn Meal, pounds .....     | 40,000  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 278,427 | \$3,265,000 | \$11.81               |
| Town Lots .....               | 4,305   | 647,265     | ...                   |
| Horses .....                  | 9,069   | 210,732     | 23.25                 |
| Mules .....                   | 2,143   | 49,155      | 22.98                 |
| Cattle .....                  | 14,877  | 196,955     | 13.11                 |
| Sheep .....                   | 615     | 625         | 1.00                  |
| Hogs .....                    | 29,899  | 115,440     | 3.92                  |
| Money, bonds and notes .....  | ...     | 1,080,285   | ...                   |
| Other personal property ..... | ...     | 825,545     | ...                   |
| Railroad property .....       | ...     | 776,798     | ...                   |
| Telegraph property .....      | ...     | 10,608      | ...                   |
| Total taxable wealth .....    | ...     | \$6,658,538 | ...                   |

## GENERAL STATISTICS.

Average size of farms, 70 acres; fruit acreage, apple, 3,000; peach and small fruits, 200; average price of improved land, \$40; unimproved, \$20; average wages farm labor, summer, \$10; winter, \$10.

## NINETEENTH ANNUAL REPORT.

average number farm hands, 350; average number months employed, 6; averages wages, domestic help, \$2; most profitable products, corn, wheat and stock; number public schools, 76; number teachers, 108; number pupils, 5,830; average school tax levy on \$100, 48 cents; permanent county school fund, \$90.607.50.

### TOWNS.

OREGON, the county seat, is an inland town of 1,000 inhabitants. Its nearest railroad point is Forest City on the K. C., St. J. & C. B. Railroad. It has one newspaper, two banks, two public schools, six churches, seven fraternal organizations, canning factory, and a flouring mill. Other towns in the county are:

|                   | Population. |
|-------------------|-------------|
| Mound City .....  | 2,000       |
| Forest City ..... | 500         |
| Maitland .....    | 750         |
| Craig .....       | 500         |
| Corning .....     | 200         |
| Forbes .....      | 100         |

### HOWARD COUNTY.

Population 20,000.

Railroads: M. K. & T., C. & A. and Wabash (Branch).

Central part of the State; 150 miles west of St. Louis and 90 miles east of Kansas City; area, 450 square miles; surface, rolling prairie land, with timber along the streams; soil fertile and well watered by the small streams flowing into the Missouri River on the south and many springs and wells. Coal underlies most of the county and is slightly worked. Limestone and fire clay are found. Fuel is abundant. Coal sells at \$2.50 per ton and wood at \$2.50 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....        | 16 bushels             | .60                   | 6.00                    |
| Oats .....         | 80 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .20                   | 14.00                   |
| Timothy Seed ..... | 3 bushels              | 1.75                  | 5.50                    |
| Clover Seed .....  | 3 bushels              | 3.50                  | 5.50                    |
| Clover Hay .....   | 2 tons                 | 6.00                  |                         |
| Timothy Hay .....  | 1½ tons                | 6.00                  |                         |
| Tobacco .....      | 1000 pounds            | 5.00 per cwt.         |                         |

## SURPLUS PRODUCTS SHIPPED.

|  |         |  |         |
|--|---------|--|---------|
| Cattle, Hogs, Sheep, head .....              | 46,615  | Fire Brick, cars .....                   | 13      |
| Horses and Mules, head .....                 | 974     | Lumber, feet .....                       | 153,000 |
| Mixed Live Stock, cars .....                 | 12      | Logs and Walnut Logs, cars....           | 94      |
| Wheat and Corn, bushels .....                | 83,500  | Cross Ties .....                         | 3,630   |
| Flour, barrels .....                         | 22,345  | Cord Wood, cords .....                   | 154     |
| Apples, barrels .....                        | 4,167   | Granite, cars .....                      | 3       |
| Potatoes, bushels .....                      | 2,214   | Wool, pounds .....                       | 13,006  |
| Tobacco, pounds .....                        | 96,326  | Feathers, pounds .....                   | 1,771   |
| Eggs, dozen .....                            | 121,337 | Vegetables, Dried Fruit,<br>pounds ..... | 11,866  |
| Butter, pounds .....                         | 5,442   | Honey, pounds .....                      | 537     |
| Poultry, Dressed Meat, Game,<br>pounds ..... | 280,707 | Nursery Stock, pounds .....              | 3,980   |
| Fish, pounds .....                           | 3,317   | Ship Stuff, pounds .....                 | 89,170  |
| Lard and Tallow, pounds .....                | 24,580  | Grass Seed, bushels .....                | 1,786   |
| Hides and Pelts, pounds .....                | 65,541  | Corn Meal, pounds .....                  | 65,211  |
| Small Fruit, C. and B .....                  | 262     |  |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres.....             | 285,591 | \$2,754,951 | \$ 9.64               |
| Town Lots.....                | 404,615 | 780,007     |                       |
| Horses .....                  | 7,832   | 171,756     | 23.45                 |
| Mules .....                   | 3,499   | 68,960      | 25.42                 |
| Cattle .....                  | 14,084  | 202,887     | 14.42                 |
| Sheep .....                   | 7,101   | 10,390      | 1.44                  |
| Hogs .....                    | 20,117  | 58,975      | 2.68                  |
| Money, bonds and notes .....  |         | 930,023     |                       |
| Other personal property ..... |         | 574,646     |                       |
| Railroad property .....       |         | 694,410     |                       |
| Telegraph property .....      |         | 8,512       |                       |
| Total taxable wealth .....    |         | \$6,220,707 |                       |

## GENERAL STATISTICS.

Average size of farms, 120 acres; fruit acreage, apple, 3,500; small fruits, 250; average price improved land, per acre, \$35; unimproved, \$12; average wages, farm labor, per month, summer, \$15; winter, \$10; average number farm hands, 500; average number months employed, 8; average wages, domestic help, per week, \$2; most profitable products, stock and fruit; number public schools, 79; number school teachers, 111; number pupils, 5,776; average school tax levy on \$100, 42 cents; permanent school fund, \$18,939.22.

## TOWNS.

FAYETTE, the county seat, has a population of 2,700. It is located at the center of the county, on the M., K. & T. Railroad. The town supports three newspapers, two banks, one public school, Howard Payne College and Central College, both noted educational

institutions. There are also five churches and seven fraternal orders, one flouring mill, foundry, cigar and tobacco factory. The streets are partially macadamized. An electric light plant is owned and operated by the city. Other towns are:

|                 | Population. |
|-----------------|-------------|
| Glasgow .....   | 1,800       |
| Franklin .....  | 1,000       |
| Armstrong ..... | 600         |
| Roanoke .....   | 300         |

## HOWELL COUNTY.

Population 22,000.

Railroads: K. C. Ft. S. & M. and Current River.

Located centrally on the southern border of the State; 180 miles southwest of St. Louis, with an area of 920 square miles. The surface is generally hilly with rich productive bottom lands. Seventy per cent of the land is tillable and 40 per cent of it is covered with timber. No large streams are found in the county, but small streams furnish ample drainage. Lead, zinc and iron have been discovered in the county, but have never been mined for profit. Fuel is cheap and good water abundant.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.35                | \$ 6.00                 |
| Wheat .....       | 12 bushels             | .45                   | 6.00                    |
| Oats .....        | 20 bushels             | .25                   | 5.25                    |
| Timothy Hay ..... | 1½ tons                | 8.00                  |                         |
| Clover Hay .....  | 1½ tons                | 6.00                  |                         |
| Potatoes .....    | 100 bushels            | .40                   | 14.00                   |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                               |         |
|------------------------------|---------|-------------------------------|---------|
| Cattle, head .....           | 5,575   | Game, pounds .....            | 13,480  |
| Hogs, head .....             | 10,000  | Vegetables, pounds .....      | 210,000 |
| Horses and Mules, head ..... | 1,880   | Building Brick, cars .....    | 9       |
| Sheep, head .....            | 180     | Lumber, feet .....            | 364,000 |
| Wheat, bushels .....         | 11,500  | Logs, cars .....              | 4       |
| Oats, bushels .....          | 750     | Cross Ties .....              | 25,340  |
| Hay, bales .....             | 8,611   | Lead and Zinc Ore, tons ..... | 40      |
| Flax Seed, bushels .....     | 600     | Cooperage, cars .....         | 5       |
| Flour, barrels .....         | 1,200   | Cotton, bales .....           | 1,484   |
| Apples, barrels .....        | 18,750  | Nursery Stock, pounds .....   | 40,000  |
| Eggs, dozen .....            | 137,850 | Peaches, baskets .....        | 112,401 |
| Butter, pounds .....         | 1,000   | Strawberries, crates .....    | 3,000   |
| Poultry, pounds .....        | 14,828  |                               |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 515,223 | \$1,579,768 | \$ 3.06            |
| Town Lots.....               | 2,357   | 438,195     | .....              |
| Horses.....                  | 5,905   | 122,658     | 20.77              |
| Mules.....                   | 2,225   | 63,305      | 28.32              |
| Cattle.....                  | 12,077  | 87,512      | 7.27               |
| Sheep.....                   | 9,343   | 8,880       | .94                |
| Hogs.....                    | 25,356  | 28,422      | 1.51               |
| Money, bonds and notes.....  | .....   | 125,305     | .....              |
| Other personal property..... | .....   | 224,968     | .....              |
| Railroad property.....       | .....   | 528,321     | .....              |
| Telegraph property.....      | .....   | 7,720       | .....              |
| Total taxable wealth.....    | .....   | \$3,380,564 | .....              |

## GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit acreage, apple, 8,000; peach, 3,000; small fruits, 450; average price of improved land, per acre, \$25; unimproved, \$5; average wages of farm labor, summer, \$12; winter, \$10; average number farm hands, 350; average number months employed, 6; average wages, domestic help, per week, \$1.50; most profitable products, fruit and stock; number public schools, 126; number teachers, 146; number pupils, 7,961; average school tax levy on \$100, 55 cents; permanent county school fund, \$5,946.25.

## TOWNS.

WEST PLAINS, the county seat, is situated on the K. C., Ft. S. & M. Railroad, and has a population of 3,000. It has four newspapers, three banks, one high school and three ward schools, one college, nine churches, nine fraternal orders, two roller mills, canning factory, woolen mill, wagon factory. The city is lighted by electricity. Other towns in the county are:

|                      | Population. |
|----------------------|-------------|
| Willow Springs ..... | 1,500       |
| Mountain View .....  | 600         |
| Siloam Springs ..... | 300         |
| Hutton Valley .....  | 250         |
| Burnham .....        | 150         |
| Pomona .....         | 100         |

## IRON COUNTY.

Population 10,000.

Railroads: St. L. I. M. &amp; S.

Southeastern Missouri; 75 miles south of St. Louis; area, 550 square miles; surface is hilly and mountainous and three-fourths of it covered with oak and pine timber, large quantities of which are manufactured and exported. Soil is very productive in the valleys. About 60 per cent of the land can be cultivated. The county is well watered by small streams and numerous wells. Iron Mountain and Pilot Knob are on the northeastern border. There is an abundance of iron ore and other minerals, but little mining is done. Fuel is cheap, price hardly worth considering.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.25                | \$ 6.00                 |
| Wheat .....       | 12 bushels             | .50                   | 5.80                    |
| Oats .....        | 21 bushels             | .25                   | 5.00                    |
| Potatoes .....    | 75 bushels             | .40                   | 15.00                   |
| Timothy Hay ..... | 1 ton                  | 8.00                  |                         |
| Clover Hay .....  | 1½ tons                | 7.50                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |        |                            |           |
|------------------------------|--------|----------------------------|-----------|
| Cattle, head .....           | 1,550  | Wheat, bushels .....       | 1,000     |
| Hogs, head .....             | 3,200  | Corn, bushels .....        | 30        |
| Horses and Mules, head ..... | 22     | Oats, bushels .....        | 30        |
| Sheep, head .....            | 1,620  | Hay, bales .....           | 1,165     |
| Mixed Live Stock, cars ..... | 8      | Flour, barrels .....       | 6,577     |
| Wool, pounds .....           | 5,648  | Apples, barrels .....      | 1,285     |
| Cooperage, cars .....        | 17     | Potatoes, barrels .....    | 44        |
| Small Fruit, C. and B. ....  | 45     | Eggs, dozen .....          | 20,402    |
| Feathers, pounds .....       | 1,287  | Butter, pounds .....       | 5,093     |
| Furs, pounds .....           | 435    | Poultry, pounds .....      | 240,780   |
| Vegetables, pounds .....     | 61,469 | Dressed Meat, pounds ..... | 600       |
| Dried Fruit, pounds .....    | 4,495  | Game, pounds .....         | 800       |
| Nursery Stock, pounds .....  | 545    | Hides, pounds .....        | 20,173    |
| Canned Goods, pounds .....   | 1,360  | Tallow, pounds .....       | 20,660    |
| Wagon Timber, cars .....     | 36     | Lumber, feet .....         | 4,491,000 |
| Nuts, bushels .....          | 58     | Piling, cars .....         | 52        |
| Beeswax, pounds .....        | 40     | Cord Wood, cords .....     | 35        |
| Grass Seed, bushels .....    | 1,555  | Iron Ore, cars .....       | 2         |
| Corn Meal, pounds .....      | 48     | Stone, cars .....          | 10        |
| Tobacco, pounds .....        | 20     | Granite, cars .....        | 403       |

1. Passenger paint shop, 124 x 160 ft.
2. Varnish and stock room, 40 x 215 ft.
3. Engine house, 20 x 150 ft.
4. Wood mill, 20 x 150 ft.

MISSOURI, KANSAS & TEXAS RAILWAY SHOPS AT SEDALIA, MO.

5. Passenger erecting and upholstering shop, 100 x 106 ft.
6. Boiler and engine room, 60 x 100 ft.
7. Steel and iron thickness shop, 40 x 290 ft.
8. Lumber shop, 50 x 100 ft.
9. Dry kiln, 25 x 40 ft.
10. Office and engine room, 20 x 48 ft.







## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 381,154 | \$1,047,700 | \$ 8.16            |
| Town Lots.....               | 1,885   | 808,900     | .....              |
| Horses.....                  | 1,916   | 48,888      | 25.64              |
| Mules.....                   | 847     | 21,072      | 24.77              |
| Cattle.....                  | 5,108   | 45,100      | 8.88               |
| Sheep.....                   | 3,581   | 8,880       | 1.00               |
| Hogs.....                    | 5,820   | 9,422       | 1.76               |
| Money, bonds and notes.....  | .....   | 191,420     | .....              |
| Other personal property..... | .....   | 117,890     | .....              |
| Railroad property.....       | .....   | 567,220     | .....              |
| Telegraph property.....      | .....   | 5,457       | .....              |
| Total taxable wealth.....    | .....   | \$2,861,449 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 2,000; peach, 800; average price of land per acre, improved, \$15; unimproved, \$3; average wages of farm labor, per month, summer, \$18; winter, \$16; average number farm laborers in county, 150; average number months employed during year, 6; average wages, domestic help, per week, \$1.75; most profitable industry, cattle raising; number public schools, 43; number school teachers, 48; number pupils, 2,945; average school tax levy on \$100, 45 cents; permanent school fund, \$7,944.89.

## TOWNS.

IRONTON, population, 1,100; is the county seat. It is located on the St. L., I. M. & Southern Railroad. It supports two newspapers, one bank, one public school, six churches, five fraternal orders, two hub factories, one flouring mill. The town is beautifully located and the streets are well graded and graveled. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Graniteville ..... | 450         |
| Arcadia .....      | 400         |
| Pilot Knob .....   | 300         |
| Atlas .....        | 300         |
| Middlebrook .....  | 150         |
| Bellevue .....     | 150         |

## JACKSON COUNTY.

Population 190,000.

Railroads: C. & A., Mo. Pac., A., T. & S. F., K. C., Ft. S. & M., K. C., P. & G., K. C., C. & S., C., M. & St. P., K. C., St. J. & C. B., Wabash, and K. C., O. & S.

Located centrally on the western border of the State with an area of 630 square miles. The surface is about evenly divided between the rolling prairie and the rich level bottom; all very productive. Eighty-five per cent of the land is tillable and 20 per cent in timber. The soil is a black and sandy loam. The county is well drained, being at the junction of the Kaw with the Missouri River, besides many small streams. The county has much limestone, which is used for building purposes, and 17,000 tons of coal are mined yearly. In wealth and population it is the second county in the State.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.22                | \$ 6.50                 |
| Wheat .....        | 18 bushels             | .55                   | 6.00                    |
| Oats .....         | 30 bushels             | .18                   | 5.00                    |
| Potatoes .....     | 75 bushels             | .25                   | 14.00                   |
| Flax .....         | 14 bushels             |                       |                         |
| Clover Seed .....  | 8 bushels              | 4.00                  |                         |
| Timothy Seed ..... | 5 bushels              | 1.75                  |                         |
| Clover Hay .....   | 2 tons                 |                       |                         |
| Timothy Hay .....  | 1½ tons                | 8.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                 |         |                             |           |
|---------------------------------|---------|-----------------------------|-----------|
| Cattle, Hogs, Sheep, head ..... | 94,788  | Cord Wood, cords .....      | 1,603     |
| Horses and Mules, head .....    | 3,259   | Cross Ties .....            | 230       |
| Mixed Live Stock, cars .....    | 54      | Charcoal, cars .....        | 2         |
| Wheat, Corn, Oats, bushels .... | 435,210 | Coal, tons .....            | 160       |
| Mixed Grain, cars .....         | 1       | Wool, pounds .....          | 15,035    |
| Hay, bales .....                | 47,060  | Cooperage, cars .....       | 45        |
| Flax Seed, bushels .....        | 8,000   | Feathers, pounds .....      | 1,270     |
| Flour, barrels .....            | 163,740 | Furs, pounds .....          | 600       |
| Apples, barrels .....           | 8,114   | Small Fruit, crates .....   | 5,468     |
| Potatoes, bushels .....         | 3,918   | Vegetables, pounds .....    | 2,967,800 |
| Eggs, dozen .....               | 26,279  | Dried Fruit, pounds .....   | 20,010    |
| Butter, pounds .....            | 12,990  | Honey, pounds .....         | 5,200     |
| Poultry and Game, pounds ...    | 120,822 | Cider, gallons .....        | 10,010    |
| Dressed Meat, pounds .....      | 31,523  | Nursery Stock, pounds ..... | 1,841,200 |
| Lard and Hides, pounds .....    | 29,729  | Milk, gallons .....         | 7,310     |
| Building Brick, cars .....      | 576     | Beeswax, pounds .....       | 630       |
| Sewer Pipe and Tile, cars ..... | 31      | Mill Feed, pounds .....     | 9,222,000 |
| Lumber, feet .....              | 828,000 | Grass Seed, bushels .....   | 7,664     |
| Logs, cars .....                | 6       | Rye, bushels .....          | 1,500     |
| Walnut Logs, cars .....         | 24      | Corn Meal, pounds .....     | 198,000   |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.       | Average Valuation. |
|-------------------------------|---------|--------------|--------------------|
| Lands, acres .....            | 863,172 | \$13,285,550 | \$38.58            |
| Town Lots .....               | 88,119  | 45,889,085   | 25.55              |
| Horses .....                  | 18,786  | 480,054      | 24.80              |
| Mules .....                   | 4,272   | 105,980      | 15.01              |
| Cattle .....                  | 21,419  | 324,908      | 1.19               |
| Sheep .....                   | 7,871   | 8,840        | 2.96               |
| Hogs .....                    | 36,186  | 107,187      |                    |
| Money, bonds and notes .....  |         | 3,053,777    |                    |
| Other personal property ..... |         | 9,318,908    |                    |
| Railroad property .....       |         | 3,936,472    |                    |
| Telegraph property .....      |         | 36,154       |                    |
| Total taxable wealth .....    |         | \$76,346,755 |                    |

## GENERAL STATISTICS.

Average size of farms, 40 acres; acreage of fruit, apple, 5,500; peach, 600; small fruit, 1,300; average price of improved land, per acre, \$60; average wages of farm labor, summer, \$18; winter, \$15; average number farm hands, 1,000; number months employed, 8; wages of domestic help, \$2.25; most profitable products, stock and fruit; number public schools, 129; number teachers, 204; number scholars, 55,639; average school tax levy on \$100, 52 cents; permanent county school fund, \$178,555.91.

## CITIES AND TOWNS.

INDEPENDENCE is the county seat and has a population of 8,000. It is located on the Missouri Pacific and the Chicago & Alton Railroads. It has six newspapers, four banks, many factories, all kinds of businesses represented by enterprising merchants, all the various church organizations and fraternal orders, many beautiful homes and is withal a delightful place to live. It is only 30 minutes' ride from Kansas City, has good light and water facilities, the latter being owned by the city.

KANSAS CITY, the second largest city of the State, and one of the most important commercial centers of the West, is in Jackson County. It is the largest live stock market in the country, second only to Chicago, and all branches of manufacturing are conducted on a large scale. It is pre-eminently the market of the West. Further mention of its advantages and resources will be found in another part of this report. Other towns in the county are:

|                                 | Population. |
|---------------------------------|-------------|
| Westport .....                  | 6,000       |
| Lee's Summit .....              | 2,500       |
| Blue Springs .....              | 1,000       |
| Oak Grove .....                 | 800         |
| Buckner .....                   | 500         |
| Centropolis and Sheffield ..... | 1,000       |

## JASPER COUNTY.

Population 65,000.

Railroads: Mo. Pac.; St. L. &amp; S. F.; K. C. Ft. S. &amp; M., and K. C. P. &amp; G.

Southwestern part of the State, bordering on the Kansas line; 130 miles south of Kansas City; area, 672 square miles; surface, undulating prairie, with timber along the streams. Soil is a light sandy loam, very fertile. Ninety per cent of the land can be cultivated. About 25 per cent of the land is now in timber. The county is well watered by Spring River and Center Creek and their tributaries. There are also numerous springs. Lead and zinc are the principal minerals. Two-thirds of the lead and zinc supply in the United States is mined in this county. There are also immense quarries of white limestone, of which a large amount is exported for building purposes. A small portion of the county is also underlaid with coal. Fuel is abundant and cheap. Few sections in the world possess as valuable resources as Jasper County.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 28 bushels             | \$0.25                | \$ 6.25                 |
| Wheat .....       | 12 bushels             | .60                   | 6.00                    |
| Oats .....        | 25 bushels             | .25                   | 5.50                    |
| Potatoes .....    | 100 bushels            | .35                   | 16.00                   |
| Flax .....        | 9 bushels              | .85                   | 6.00                    |
| Timothy Hay ..... | 1½ tons                | 6.00                  |                         |
| Clover Hay .....  | 2 tons                 | 5.50                  | 6.00                    |

## SURPLUS PRODUCTS SHIPPED.

|  |           |                                |         |
|--|-----------|--------------------------------|---------|
| Cattle, Hogs, Sheep, head .....              | 15,901    | Grass Seed, bushels .....      | 1,500   |
| Horses and Mules, head .....                 | 480       | Corn Meal, pounds .....        | 800     |
| Mixed Live Stock, cars .....                 | 32        | Lumber, feet .....             | 414,000 |
| Wheat, Corn, Oats, bushels ....              | 244,500   | Logs, Walnut Logs, cars .....  | 31      |
| Flour, barrels .....                         | 111,698   | Cross Ties, .....              | 1,448   |
| Hay, bales .....                             | 43,571    | Cord Wood, cords .....         | 308     |
| Potatoes, bushels .....                      | 734       | Lead and Zinc Ore, tons .....  | 91,930  |
| Apples, barrels .....                        | 5,247     | Lime and Cement, barrels ..... | 32,970  |
| Tobacco, pounds .....                        | 17,640    | Stone and Gravel, cars .....   | 1,174   |
| Eggs, dozen .....                            | 141,787   | Sand and Ballast, cars .....   | 7,633   |
| Butter, pounds .....                         | 16,988    | Wool, pounds .....             | 7,705   |
| Poultry and Game, pounds ....                | 209,779   | Building Brick, cars .....     | 79      |
| Dressed Meat, pounds .....                   | 12,771    | Canned Goods, pounds .....     | 180,000 |
| Hides and Tallow, pounds .....               | 653,130   | Cheese, pounds .....           | 5,425   |
| Lard, pounds .....                           | 18,820    | Cider, gallons .....           | 1,340   |
| Small Fruit, C. and B. ....                  | 6,945     | Castor Beans, pounds .....     | 30,000  |
| Dried Fruits and Vegetables,<br>pounds ..... | 243,347   | Strawberries, crates .....     | 58,039  |
| Feathers, pounds .....                       | 3,827     | Oil Cake, pounds .....         | 400     |
| Furs, pounds .....                           | 418       | Nursery Stock, pounds .....    | 322,396 |
| Ship Stuff, pounds .....                     | 5,020,000 | Molasses, gallons .....        | 870     |
| Mill Feed, pounds .....                      | 380,000   | Onions, bushels .....          | 1,240   |
| Flax Seed, bushels .....                     | 28,000    | Honey, pounds .....            | 259     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.       | Average Valuation. |
|------------------------------|---------|--------------|--------------------|
| Lands, acres.....            | 400,884 | \$4,682,473  | \$11.67            |
| Town Lots.....               | 16,996  | 3,896,245    | .....              |
| Horses.....                  | 15,030  | 344,639      | 23.98              |
| Mules.....                   | 2,622   | 66,695       | 25.41              |
| Cattle.....                  | 15,849  | 201,175      | 12.69              |
| Sheep.....                   | 2,961   | 3,220        | 1.08               |
| Hogs.....                    | 17,536  | 46,273       | 2.64               |
| Money, bonds and notes.....  | .....   | 565,546      | .....              |
| Other personal property..... | .....   | 1,586,602    | .....              |
| Railroad property.....       | .....   | 1,234,536    | .....              |
| Telegraph property.....      | .....   | 18,680       | .....              |
| Total taxable wealth.....    | .....   | \$12,612,226 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 7,000; peach, 900; cherry, 300; small fruits, 2,500; average price of land, per acre, improved, \$40; unimproved, \$15; average wages, farm labor, summer, \$15; winter, \$14; average number farm laborers in county, 600; average number months employed during year, 6; average wages, domestic help, per week, \$2; most profitable products, small fruit and stock; number public schools, 144; number school teachers, 279; number pupils, 17,193; average school tax levy on \$100, 56 cents; permanent school fund, \$204,153.22.

## CITIES AND TOWNS.

CARTHAGE, the county seat, is located near the center of the county, on the Missouri Pacific and St. L. & S. F. Railroads. It has a population of 11,000 and is one of the finest residence towns in the State. It supports four newspapers, four banks, five ward schools, one central school, one high school and two colored schools, twelve churches and two fraternal orders. The city has quite a number of mills and manufactories and there is yet room for others. The city is well paved with stone, gravel and brick and well lighted by electricity. It has a good system of water works owned by a corporation.

JOPLIN is the largest city in the county; population, 12,000, and is also the largest lead and zinc mining center in the United States. Other important towns in the county are:

|                     | Population. |
|---------------------|-------------|
| Webb City .....     | 7,000       |
| Carterville .....   | 4,000       |
| Carl Junction ..... | 1,200       |
| Jasper .....        | 1,000       |

|                      | Population. |
|----------------------|-------------|
| Oronogo .....        | 800         |
| Alba .....           | 300         |
| Asbury .....         | 250         |
| Reed's Station ..... | 200         |
| Bellville .....      | 200         |
| Medoc .....          | 150         |
| Dueneweg .....       | 150         |
| Apolis .....         | 150         |
| Smithfield .....     | 100         |

## JEFFERSON COUNTY.

Population 26,000.

Railroads: St. L., I. M. & S. and M. R. & B. T.

Located on eastern border of the State; 40 miles south of St. Louis, and has an area of 640 square miles. The surface is gently rolling with some abrupt hills and fertile valleys. The soil is varied and generally productive. Eighty per cent of the land is tillable and about 50 per cent is timber. The Meramec and Big Rivers, together with many creeks, furnish excellent drainage. Some valuable timber is found along the water courses. The county is rich in mineral deposits, there being sand for the manufacture of plate glass and large quantities of lead ore mined.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.30                | \$ 6.50                 |
| Wheat .....        | 16 bushels             | .60                   | 6.00                    |
| Oats .....         | 28 bushels             | .20                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .50                   | 15.00                   |
| Timothy Seed ..... | 3 bushels              | 2.00                  | 5.50                    |
| Clover Seed .....  | 2 bushels              | 4.00                  | 6.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                                   |         |
|-----------------------------------|---------|
| Cattle, Hogs and Sheep, head ..   | 11,029  |
| Horses and Mules, head .....      | 694     |
| Mixed Live Stock, cars .....      | 6       |
| Wheat, Corn and Oats, bushels ..  | 386,278 |
| Flour, barrels .....              | 8,474   |
| Mill Feed, pounds .....           | 10,600  |
| Potatoes, bushels .....           | 284     |
| Apples, barrels .....             | 1,337   |
| Eggs, dozen .....                 | 13,618  |
| Butter, pounds .....              | 55,233  |
| Poultry and Dressed Meat, lbs. .. | 64,006  |
| Fish, pounds .....                | 9,112   |
| Lard, pounds .....                | 360     |
| Hides, pounds .....               | 274,841 |
| Small Fruit, C. and B. ....       | 1,384   |
| Building Brick, cars .....        | 23      |
| Lumber, feet .....                | 126,000 |
| Piling, cars .....                | 2       |

|                                 |         |
|---------------------------------|---------|
| Cord Wood, cords .....          | 1,764   |
| Pig Lead, tons .....            | 21,560  |
| Clay and Glass Sand, cars ..... | 355     |
| Lime and Cement, barrels .....  | 88,650  |
| Stone and Gravel, cars .....    | 449     |
| Wool, pounds .....              | 2,621   |
| Cooperage, cars .....           | 14      |
| Feathers, pounds .....          | 211     |
| Vegetables, pounds .....        | 1,001   |
| Dried Fruit, pounds .....       | 368     |
| Molasses, gallons .....         | 64      |
| Cheese, pounds .....            | 100     |
| Cider, gallons .....            | 120     |
| Nursery Stock, pounds .....     | 21,074  |
| Milk, gallons .....             | 332,424 |
| Strawberries, crates .....      | 310     |
| Wagon Timber, cars .....        | 9       |
| Plate Glass, cars .....         | 327     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 409,928 | \$2,412,239 | \$ 5.88            |
| Town Lots .....               | 5,751   | 810,079     |                    |
| Horses .....                  | 6,428   | 134,530     | 20.94              |
| Mules .....                   | 2,659   | 59,202      | 22.27              |
| Cattle .....                  | 14,000  | 139,430     | 9.24               |
| Sheep .....                   | 5,714   | 5,796       | 1.01               |
| Hogs .....                    | 24,291  | 48,836      | 1.79               |
| Money, bonds and notes .....  |         | 605,078     |                    |
| Other personal property ..... |         | 308,205     |                    |
| Railroad property .....       |         | 695,195     |                    |
| Telegraph property .....      |         | 7,126       |                    |
| Total taxable wealth .....    |         | \$5,220,766 |                    |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 6,000; peach, 2,000; small fruits, 300; average price of improved land, per acre, \$40; unimproved, \$10; average wages of farm labor, summer, \$14; winter, \$14; average number farm hands, 500; average number months employed during year, 6; average wages, domestic help, per week, \$2; most profitable products, stock raising; number public schools, 93; number teachers, 114; number pupils, 8,390; average school tax levy on \$100, 55 cents; permanent county school fund, \$28,911.71.

## TOWNS.

HILLSBORO, the county seat, is an inland town of 300 inhabi-



tants. It has two newspapers, one bank, one school, one church, two fraternal orders and several good stores.

DE SOTO, on the Iron Mountain Railroad, is the largest town in the county and has a population of 6,000. It has extensive car shops and other manufacturing plants; is the home of an industrious people and a ready market for the surrounding country. Other towns in the county are:

|                       | Population. |
|-----------------------|-------------|
| Festus .....          | 2,500       |
| Crystal City .....    | 2,000       |
| Kimswick .....        | 200         |
| Sulphur Springs ..... | 200         |
| Hematite .....        | 200         |
| Peaveley .....        | 200         |

## JOHNSON COUNTY.

Population 30,000.

Railroads: K. C., O. & S.; Mo. Pac., and M. K. & T.

Western part of State; 50 miles southeast of Kansas City; area, 800 square miles; surface, gently undulating, chiefly prairie, and very fertile, dark sandy loam. Eighty-five per cent of the land is tillable and about 12 per cent is in timber, consisting of oak, hickory, walnut and elm. The county is well watered and drained by many small streams. There are also numerous springs and excellent wells. Considerable coal is mined in the county. There are also extensive quarries of sandstone and white granite, or limestone. Fuel is plentiful and the price reasonable.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 35 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....       | 15 bushels             | .55                   | 6.00                    |
| Oats .....        | 25 bushels             | .15                   | 5.00                    |
| Flax .....        | 8 bushels              | .55                   | 5.25                    |
| Potatoes .....    | 100 bushels            | .30                   | 14.00                   |
| Timothy Hay ..... | 2 tons                 | 6.00                  | 5.00                    |
| Clover Hay .....  | 2½ tons                | 5.50                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 19,851  | Cross Ties .....            | 13,575  |
| Hogs, head .....             | 43,249  | Cord Wood, cords .....      | 49      |
| Horses and Mules, head ..... | 1,303   | Coal, tons .....            | 600     |
| Sheep, head .....            | 7,560   | Fire Clay, cars .....       | 85      |
| Mixed Live Stock, cars ..... | 72      | Stone, cars .....           | 100     |
| Wheat, bushels .....         | 46,500  | Gravel, cars .....          | 2       |
| Corn, bushels .....          | 125,500 | Wool, pounds .....          | 10,735  |
| Oats, bushels .....          | 11,250  | Feathers, pounds .....      | 6,759   |
| Hay, bales .....             | 34,950  | Furs, pounds .....          | 333     |
| Flax Seed, bushels .....     | 92,066  | Small Fruit, C. and B. .... | 5,240   |
| Flour, barrels .....         | 19,049  | Vegetables, pounds .....    | 1,572   |
| Apples, barrels .....        | 3,499   | Dried Fruit, pounds .....   | 9,258   |
| Potatoes, bushels .....      | 1,002   | Onions, bushels .....       | 55      |
| Eggs, dozen .....            | 329,551 | Wine, gallons .....         | 52      |
| Butter, pounds .....         | 122,956 | Molasses, gallons .....     | 85      |
| Poultry, pounds .....        | 597,309 | Cheese, pounds .....        | 100     |
| Dressed Meat, pounds .....   | 2,085   | Cider, gallons .....        | 5,000   |
| Game, pounds .....           | 6,897   | Nursery Stock, pounds ..... | 131,243 |
| Fish, pounds .....           | 125     | Castor Beans, pounds .....  | 720     |
| Lard, pounds .....           | 410     | Nuts, bushels .....         | 62      |
| Hides, pounds .....          | 178,321 | Milk, gallons .....         | 4,334   |
| Tallow, pounds .....         | 76,445  | Ship Stuff, pounds .....    | 150,000 |
| Sewer Pipe, Tile, cars ..... | 6       | Grass Seed, bushels .....   | 10,210  |
| Lumber, feet .....           | 81,000  | Bran, pounds .....          | 440,000 |
| Walnut Logs, cars .....      | 6       | Corn Meal, pounds .....     | 110,000 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 517,197 | \$5,102,215 | \$ 9.86            |
| Town Lots .....               | 6,061   | 1,431,520   | .....              |
| Horses .....                  | 13,265  | 898,014     | 26.45              |
| Mules .....                   | 4,515   | 116,336     | 25.76              |
| Cattle .....                  | 24,321  | 340,428     | 18.99              |
| Sheep .....                   | 6,651   | 5,515       | .89                |
| Hogs .....                    | 36,897  | 107,287     | 2.95               |
| Money, bonds and notes .....  | .....   | 728,004     | .....              |
| Other personal property ..... | .....   | 790,165     | .....              |
| Railroad property .....       | .....   | 816,580     | .....              |
| Telegraph property .....      | .....   | 12,451      | .....              |
| Total taxable wealth .....    | .....   | \$9,788,724 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; fruit acreage, apple, 4,500; peach, 800; small fruit, 200; average price land per acre, improved, \$30; unimproved, \$10; average wages farm labor, summer, \$14; winter, \$10; number farm laborers in county, 450; average number months employed during year, 7; average wages, domestic help, per week, \$1.75; most profitable products, corn, hay and stock; number public schools, 154; number school teachers, 206; number pupils, 9,592; average school tax levy on \$100, 41 cents; permanent school fund, \$89,258.71.

## CITIES AND TOWNS.

WARRENSBURG, the county seat, is located on the Missouri Pacific Railroad, near the center of the county and has a population of about 6,500. It has four newspapers, four banks, seven ward schools, one colored school and also the State Normal School for the Second District, a justly popular institution. There are ten churches and five fraternal orders. The city has a flouring mill, broom factory and several smaller manufacturing concerns. A large stone quarry is also operated just outside the city limits. Pertle Springs, a health and pleasure resort, is conveniently near. The streets of Warrensburg are graded and the walks are of stone and brick. The city is supplied with water and electric lights by a corporation. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Holden .....       | 2,500       |
| Knob Knoster ..... | 1,000       |
| Kingsville .....   | 400         |
| Centerville .....  | 350         |

## KNOX COUNTY.

Population 16,500.

Railroads: A., T. & S. F. and Q., O. & K. C.

Located in northeast portion of the State; 140 miles north of St. Louis. It has an area of 510 square miles and the surface is an undulating prairie. The water courses of the county are fringed with oak, hickory, elm and walnut timber, which occupies nearly 10 per cent of the county. The land is tillable to the extent of 85 per cent and very productive. The soil is a black loam with clay subsoil and the equal of any in the State in productiveness. Streams of the county are South Fabius, Middle Fabius and Salt Rivers, besides many creeks. Wood sells at \$2.50 per cord and coal at \$1.75 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 32 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....        | 15 bushels             | .80                   | 6.00                    |
| Oats .....         | 22 bushels             | .17                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .20                   | 14.00                   |
| Clover Seed .....  | 2 bushels              | 3.50                  | 5.00                    |
| Timothy Seed ..... | 3½ bushels             | 1.75                  | 5.00                    |
| Timothy Hay .....  | 1½ tons                | 5.80                  |                         |
| Clover Hay .....   | 2 tons                 | 4.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|  |         |                                   |         |
|--|---------|-----------------------------------|---------|
| Cattle, Hogs and Sheep, head ..              | 60,550  | Building Brick, cars .....        | 6       |
| Horses and Mules, head .....                 | 1,060   | Lumber, feet .....                | 19,000  |
| Mixed Live Stock, cars .....                 | 1       | Walnut Logs, cars .....           | 8       |
| Wheat, Corn and Oats, bushels..              | 86,000  | Cross Ties .....                  | 1,629   |
| Mixed Grain, cars .....                      | 4       | Wool, pounds .....                | 120,650 |
| Hay, bales .....                             | 31,688  | Tobacco, pounds .....             | 190     |
| Flour, barrels .....                         | 300     | Cooperage, cars .....             | 9       |
| Eggs, dozen .....                            | 299,190 | Vegetables and Dried Fruit, lbs.. | 30,445  |
| Butter, pounds .....                         | 41,187  | Cheese, pounds .....              | 4,138   |
| Poultry, Dressed Meat, Game,<br>pounds ..... | 271,050 | Nursery Stock, pounds .....       | 122,100 |
| Hides and Tallow, pounds .....               | 76,506  | Grass Seed, bushels .....         | 37,924  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres.....             | 320,724 | \$2,517,504 | \$ 7.84               |
| Town Lots .....               | 1,908   | 222,089     |                       |
| Horses .....                  | 8,588   | 172,585     | 20.54                 |
| Mules .....                   | 1,407   | 31,685      | 22.47                 |
| Cattle .....                  | 15,868  | 187,738     | 11.83                 |
| Sheep .....                   | 2,796   | 8,583       | 1.00                  |
| Hogs .....                    | 29,099  | 56,504      | 2.36                  |
| Money, bonds and notes .....  |         | 362,627     |                       |
| Other personal property ..... |         | 251,251     |                       |
| Railroad property .....       |         | 386,380     |                       |
| Telegraph property .....      |         | 4,162       |                       |
| Total taxable wealth .....    |         | \$4,186,283 |                       |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 1,500; peach, etc., 200; average price of improved land, per acre, \$30; unimproved, \$10; average wages of farm labor, summer, \$15; winter, \$10; average number of farm hands, 200; average number months employed, 6; average weekly wages, domestic help, per week, \$1.75; most profitable products, corn, oats and hay; number schools, 84; number teachers, 117; number pupils, 4,198; average school tax levy on \$100, 42 cents; permanent school fund, \$36,467.51.

## TOWNS.

EDINA, the county seat, is located on the Quincy, Omaha & Kansas City Railroad and has a population of 1,800. It has three newspapers, three banks, one public school, one college, four churches, four fraternal orders, one mill, tobacco factory and two

brick factories. The town is lighted by electricity. Other towns in the county are:

|                 | Population. |
|-----------------|-------------|
| Newark .....    | 300         |
| Knox City ..... | 300         |
| Novelty .....   | 250         |
| Hurdland .....  | 300         |
| Baring .....    | 275         |

## LACLEDE COUNTY.

Population 18,500.

Railroads: St. L. & S. F.

Located in south central Missouri; 60 miles south of Jefferson City and 182 miles southwest of St. Louis. It has an area of 740 square miles. The surface is mostly undulating uplands with rich bottom lands along the streams. The soil of the upland is of the limestone variety and of the bottom lands a black or dark red loam and very productive. The land is tillable to the extent of 75 per cent, while 40 per cent of it is still timbered. The streams of the county are the Big Niangua and Gasconade, their numerous branches furnishing excellent drainage. Many never-failing springs, together with plenty of well water, make the county very desirable for home-seekers. Sand and limestone are found in abundance. Agate and onyx are also found. The northern part of the county is rich in lead deposits, but it is still undeveloped. Fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 35 bushels             | \$0.30                | \$ 6.00                 |
| Wheat .....       | 10 bushels             | .58                   | 5.75                    |
| Oats .....        | 25 bushels             | .20                   | 5.00                    |
| Potatoes .....    | 100 bushels            | .35                   | 12.00                   |
| Timothy Hay ..... | 1½ tons                | 4.00                  | 4.50                    |
| Clover Hay .....  | 1½ tons                | 3.50                  | 4.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |        |
|------------------------------|---------|-----------------------------|--------|
| Cattle, head .....           | 850     | Small Fruit, C. and B. .... | 6      |
| Hogs, head .....             | 6,240   | Lumber, feet .....          | 38,000 |
| Horses and Mules, head ..... | 671     | Cross Ties .....            | 38,372 |
| Sheep, head .....            | 3,240   | Piling, cars .....          | 7      |
| Mixed Live Stock, cars ..... | 188     | Cord Wood, cords .....      | 154    |
| Wheat, bushels .....         | 14,000  | Pig Lead, tons .....        | 20     |
| Hay, bales .....             | 2,097   | Wool, pounds .....          | 40,759 |
| Flour, barrels .....         | 2,053   | Feathers, pounds .....      | 2,116  |
| Apples, barrels .....        | 502     | Dried Fruits, pounds .....  | 76,276 |
| Potatoes, bushels .....      | 42      | Onions, bushels .....       | 7      |
| Tobacco, pounds .....        | 2,166   | Molasses, gallons .....     | 60     |
| Eggs, dozen .....            | 246,110 | Nursery Stock, pounds ..... | 400    |
| Butter, pounds .....         | 4,180   | Castor Beans, pounds .....  | 1,340  |
| Poultry, pounds .....        | 257,376 | Nuts, bushels .....         | 17     |
| Dressed Meat pounds .....    | 700     | Ship Stuff, pounds .....    | 2,035  |
| Game, pounds .....           | 73,009  | Grass Seed, bushels .....   | 131    |
| Hides, pounds .....          | 45,715  | Corn Meal, pounds .....     | 130    |
| Tallow, pounds .....         | 9,615   |                             |        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Land, acres .....             | 415,919 | \$1,899,406 | \$ 8.29            |
| Town Lots .....               | 2,298   | 809,450     |                    |
| Horses .....                  | 6,515   | 139,656     | 21.43              |
| Mules .....                   | 1,861   | 48,474      | 23.94              |
| Cattle .....                  | 11,921  | 108,106     | 8.64               |
| Sheep .....                   | 10,622  | 10,626      | 1.00               |
| Hogs .....                    | 21,418  | 81,109      | 1.44               |
| Money, bonds and notes .....  |         | 159,675     |                    |
| Other personal property ..... |         | 144,845     |                    |
| Railroad property .....       |         | 46,277      |                    |
| Telegraph property .....      |         | 5,098       |                    |
| Total taxable wealth .....    |         | \$2,861,789 |                    |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 9,000; peach, 500; average price of improved land, per acre, \$30; unimproved, \$8; average wages of farm labor, summer, \$13; winter, \$10; average number farm hands, 500; average number months employed, 6; average weekly wages, domestic help, \$1.50; most profitable products, wheat, corn and fruit; number public schools, 93; number teachers, 120; number pupils, 6,044; average school tax levy on \$100, 44 cents; permanent county school fund, \$22,712.92.

## TOWNS.

LEBANON, the county seat, is located near the center of the county on the St. Louis & San Francisco Railroad, and has a population of 2,600. It has three newspapers, two banks, three public schools, seven churches, four fraternal orders, two flouring mills, water

works and electric light and good streets. A canning factory or fruit evaporator would do well here, as the people of the surrounding country are greatly interested in fruit. Other towns of the county are:

|                    | Population. |
|--------------------|-------------|
| Conway .....       | 500         |
| Phillipsburg ..... | 200         |
| Eldridge .....     | 150         |
| Competition .....  | 100         |
| Dry Knob .....     | 100         |

## LAFAYETTE COUNTY.

Population 38,000.

Railroads: Mo. Pac. and C. & A.

Northwest central part of the State, north line bordering the Missouri River; 35 miles east of Kansas City; area, 622 square miles; undulating prairie land in the central and south part of the county and hilly timber land along the Missouri River. The soil is a rich dark loam, very productive. The county is well watered by small streams. Springs and wells are numerous. Ninety per cent of the land is tillable. Coal underlies most of the county and considerable is mined. Limestone also exists in large quantities. Plenty of timber for local use and the price of coal is \$2 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 37 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....        | 12 bushels             | .50                   | 5.75                    |
| Oats .....         | 25 bushels             | .15                   | 5.00                    |
| Potatoes .....     | 150 bushels            | .25                   | 14.00                   |
| Clover Seed .....  | 2 bushels              | 3.50                  | 6.00                    |
| Timothy Seed ..... | 4 bushels              | 1.55                  | 5.25                    |
| Timothy Hay .....  | 1½ tons                | 5.25                  | 4.50                    |
| Clover Hay .....   | 2 tons                 | 4.25                  | 4.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                               |         |                             |           |
|-------------------------------|---------|-----------------------------|-----------|
| Cattle, and Hogs, head .....  | 106,700 | Building Brick, cars .....  | 37        |
| Horses and Mules, head .....  | 1,669   | Lumber, feet .....          | 369,000   |
| Sheep, head .....             | 2,794   | Walnut Logs, cars .....     | 54        |
| Mixed Live Stock, cars .....  | 29      | Cord Wood, cords .....      | 91        |
| Wheat and Corn, bushels.....  | 919,000 | Coal, tons .....            | 217,700   |
| Oats, bushels .....           | 3,750   | Hemp Fiber, cars .....      | 1         |
| Mixed Grain, cars .....       | 3       | Wool, pounds .....          | 2,105     |
| Hay, bales .....              | 10,475  | Cooperage, cars .....       | 13        |
| Flax Seed, bushels .....      | 4,500   | Feathers, pounds .....      | 4,608     |
| Flour, barrels .....          | 78,239  | Small Fruit, C. and B. .... | 101       |
| Apples, barrels .....         | 39,950  | Vegetables, pounds .....    | 108,500   |
| Potatoes, bushels .....       | 450     | Dried Fruit, pounds .....   | 17,970    |
| Eggs, dozen .....             | 303,953 | Wine, gallons .....         | 10        |
| Butter, pounds .....          | 205,681 | Canned Goods, pounds .....  | 2,064,000 |
| Poultry and Game, pounds .... | 339,034 | Ship Stuff, pounds .....    | 2,045,950 |
| Dressed Meat, pounds .....    | 805     | Barley, bushels .....       | 2,500     |
| Fish, pounds .....            | 348     | Grass Seed, bushels .....   | 8,493     |
| Lard, pounds .....            | 130     | Mill Feed, pounds .....     | 590,000   |
| Hides, pounds .....           | 49,767  |                             |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 380,274 | \$5,174,645 | \$13.25            |
| Town Lots .....               | 7,025   | 1,130,520   |                    |
| Horses .....                  | 12,078  | 304,600     | 25.21              |
| Mules .....                   | 4,856   | 122,228     | 25.15              |
| Cattle .....                  | 23,957  | 348,000     | 14.52              |
| Sheep .....                   | 8,717   | 5,040       | 1.85               |
| Hogs .....                    | 28,895  | 98,785      | 3.34               |
| Money, bonds and notes .....  |         | 808,285     |                    |
| Other personal property ..... |         | 640,585     |                    |
| Railroad property .....       |         | 1,140,591   |                    |
| Telegraph property .....      |         | 15,953      |                    |
| Total taxable wealth .....    |         | \$9,987,222 |                    |

## GENERAL STATISTICS.

Average size of farms, 120 acres; fruit acreage, apple, 6,000; peach, 500; cherry, 200; small fruit, 200; average price of land per acre, improved, \$42; unimproved, \$15; average wages, farm labor, summer, \$15; winter, \$12; number farm laborers in county, 900; average number months employed, 7; wages, domestic help, per week, \$2; most profitable products, corn, hay, fruit and stock; number public schools, 111; number school teachers, 175; number pupils, 10,055; average school tax levy on \$100, 42 cents; permanent school fund \$80,296.09.

## CITIES AND TOWNS.

LEXINGTON, the county seat, is located on Missouri River and Missouri Pacific Railroad. It has a population of 5,200 and supports



two newspapers, besides four college and society papers. It contains four banks, three ward schools and one colored school; also, Wentworth Military Academy, Elizabeth Ault Seminary, Baptist Female College and Methodist Central Female College. There are nine churches and eight fraternal orders. The city has a flouring mill, furniture factory, carriage factory, cigar factory, and many other manufacturing concerns could be operated with profit. The streets are partially macadamized and the city is supplied with water and electric lights and gas, by corporations. Other towns of importance are:

|                    | Population. |
|--------------------|-------------|
| Higginsville ..... | 3,000       |
| Odessa .....       | 1,600       |
| Waverly .....      | 800         |
| Wellington .....   | 800         |
| Corder .....       | 800         |
| Alma .....         | 300         |
| Dover .....        | 300         |
| Mayview .....      | 300         |

## LAWRENCE COUNTY.

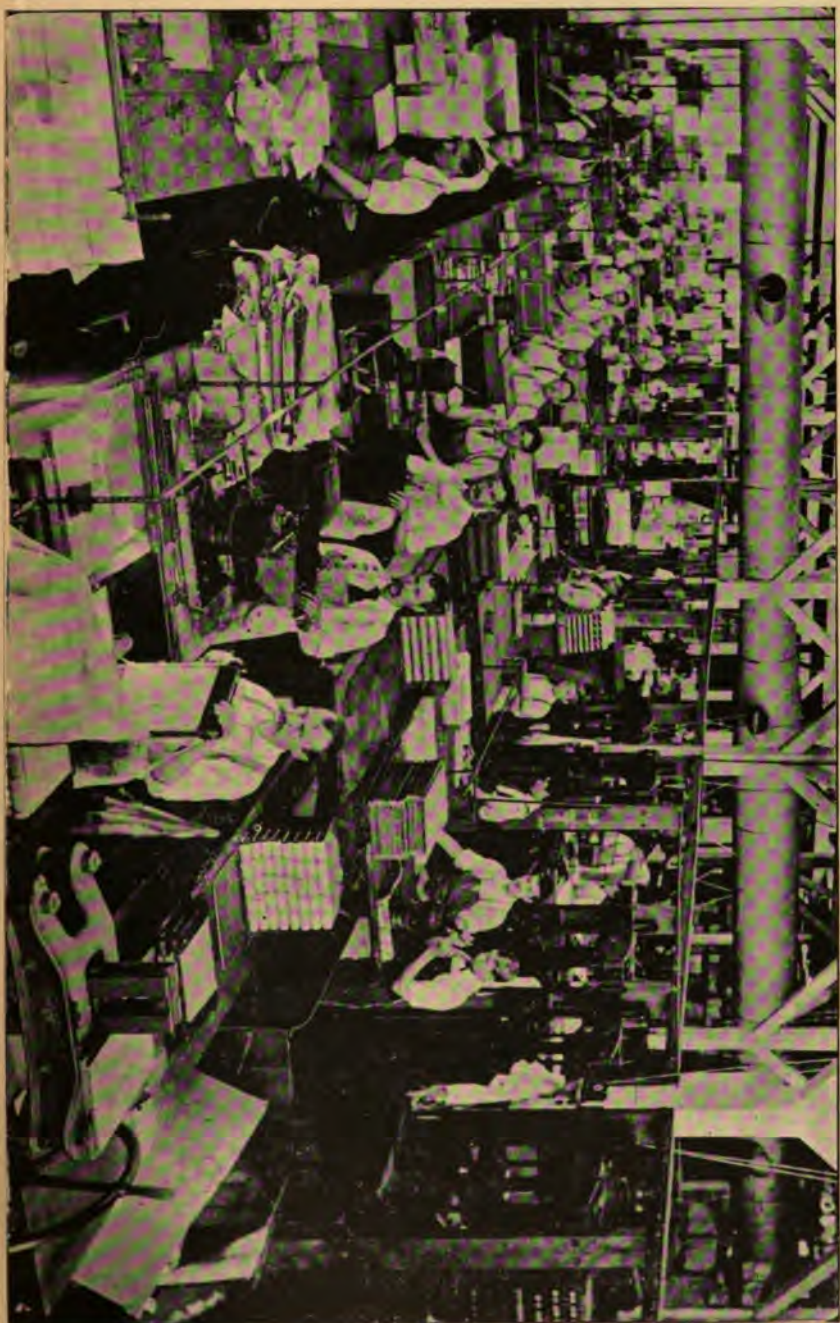
Population 81,000.

Railroads: St. L. & S. F. and K. C. Ft. S. & M.

Located in the southwestern portion of the State; 150 miles south of Kansas City, with an area of 606 square miles. The surface is undulating and traversed by numerous streams, along which are rich bottom lands, very productive. The soil is a black sandy loam in the valleys and limestone on uplands. Eighty-five per cent of land is tillable and 25 per cent is timbered. Spring Creek and many small streams flow through the county, and good springs are abundant. The county is rich in minerals, being second in the State in the production of lead and zinc. The county is 1,100 feet above sea level and has a very delightful climate. Fuel is abundant and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 24 bushels             | \$9.25                | \$ 6.00                 |
| Wheat .....       | 12 bushels             | .50                   | 6.00                    |
| Oats .....        | 20 bushels             | .18                   | 5.00                    |
| Potatoes .....    | 100 bushels            | .25                   | 14.00                   |
| Clover Seed ..... | 2½ bushels             | 4.00                  | 7.00                    |
| Clover Hay .....  | 2 tons                 | 5.00                  |                         |
| Timothy Hay ..... | 1½ tons                | 6.00                  |                         |



VIEW IN BINDERY DEPARTMENT OF GEO. D. BARNARD & CO., ST. LOUIS, MO.



## SURPLUS PRODUCTS SHIPPED.

|                                  |         |   |           |
|----------------------------------|---------|---|-----------|
| Cattle, Hogs and Sheep, head .   | 30,755  | Cord Wood, cords .....                          | 14        |
| Horses and Mules, head .....     | 420     | Lead Ore, tons .....                            | 1,174     |
| Mixed Live Stock, cars .....     | 114     | Zinc Ore, tons .....                            | 13,720    |
| Wheat and Oats, bushels .....    | 272,790 | Lime, barrels .....                             | 30,900    |
| Hay, bales .....                 | 1,631   | Wool, pounds .....                              | 9,300     |
| Flax Seed, bushels .....         | 6,500   | Cooperage, cars .....                           | 3         |
| Flour, barrels .....             | 96,372  | Feathers, pounds .....                          | 223       |
| Eggs, dozen .....                | 276,645 | Furs, pounds .....                              | 500       |
| Butter, pounds .....             | 14,596  | Small Fruit and Strawberries,<br>C. and B. .... | 3,638     |
| Poultry and Game, pounds ....    | 504,673 | Vegetables and Dried Fruit,<br>pounds .....     | 667,665   |
| Hides and Tallow, pounds .....   | 67,700  | Grass Seed, bushels .....                       | 2,173     |
| Potatoes, bushels .....          | 1,401   | Ship Stuff, pounds .....                        | 2,915,400 |
| Building Brick and Sand, cars. . | 112     | Bran, pounds .....                              | 1,120,000 |
| Lumber, feet .....               | 198,000 |   |           |
| Logs, cars .....                 | 33      |   |           |
| Cross Ties .....                 | 784     |   |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average<br>Valuation. |
|------------------------------|---------|-------------|-----------------------|
| Lands, acres.....            | 968,188 | \$2,845,008 | \$ 7.73               |
| Town Lots.....               | 6,439   | 738,906     | .....                 |
| Horses.....                  | 10,434  | 227,151     | 21.77                 |
| Mules.....                   | 3,774   | 96,874      | 25.40                 |
| Cattle.....                  | 12,419  | 188,472     | 11.15                 |
| Sheep.....                   | 8,060   | 2,977       | .98                   |
| Hogs.....                    | 29,667  | 64,712      | 2.17                  |
| Money, bonds and notes.....  | .....   | 540,549     | .....                 |
| Other personal property..... | .....   | 432,166     | .....                 |
| Railroad property.....       | .....   | 376,670     | .....                 |
| Telegraph property.....      | .....   | 6,509       | .....                 |
| Total taxable wealth.....    | .....   | \$5,502,082 | .....                 |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 6,000; peach, 2,000; small fruits, 800; average value of improved land, per acre, \$40; unimproved, \$8; average wages of farm labor, \$13 year round; average number farm hands, 300; average number months employed, 6; average weekly wages, domestic help, \$1.50; most profitable products, wheat, corn and fruit; number public schools, 109; number teachers, 153; number pupils, 9,945; average school tax levy on \$100, 52 cents; permanent county school fund, \$24,874.33.

## CITIES AND TOWNS.

MT. VERNON is the county seat and is located on the Aurora branch of the K. C., Ft. S. & M. Railroad. It has a population of 1,700. It is near the center of the county and has two newspapers, two banks, three public schools, seven churches, six fraternal orders,

one good mill, fine system of water works owned by the city, good streets, graded and graveled.

AURORA, the largest town in the county, is on the Frisco Railroad and is the terminus of the Aurora branch of the K. C., Ft. S. & M. Railroad. It is not only an important trade center, but ships large amounts of lead and zinc annually. It has a population of 4,000.

PEIRCE CITY is second in size among the towns of the county. It is located on the Frisco Railroad and has a population of 3,000. It is the shipping point for a large output of mineral. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Marionville .....  | 1,000       |
| Verona .....       | 600         |
| Stotts City .....  | 500         |
| Miller .....       | 200         |
| Bower's Mill ..... | 100         |
| Lawrenceburg ..... | 100         |
| Halltown .....     | 50          |
| Red Oak .....      | 50          |

## LEWIS COUNTY.

Population 17,000.

Railroads: St. L. Keo. & N. W. and Q. O. & K. C.

Northeast Missouri, bordering on the Mississippi River; area 510 square miles; surface undulating, chiefly prairie, with timber along the streams; soil, alluvial and sandy loam, very fertile on the bottoms. Eighty-five per cent of the land is tillable and 15 per cent is in timber. The county is drained by the Mississippi, the Wyaconda and North and South Fabius Rivers, and their tributaries. Wells and good cisterns are numerous. Limestone is extensively quarried and plenty of clay for brick is found. Fuel is reasonably abundant and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 32 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....        | 16 bushels             | .65                   | 5.50                    |
| Oats .....         | 25 bushels             | .15                   | 5.00                    |
| Potatoes .....     | 150 bushels            | .20                   | 15.00                   |
| Clover Seed .....  | 3 bushels              | 4.00                  | 5.75                    |
| Timothy Seed ..... | 4 bushels              | 2.00                  | 5.25                    |
| Timothy Hay .....  | 2 tons                 | 5.00                  | 5.00                    |
| Clover Hay .....   | 3 tons                 | 6.00                  | 5.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                            |           |
|------------------------------|---------|----------------------------|-----------|
| Cattle and Hogs, head .....  | 51,638  | Building Brick, cars ..... | 1         |
| Horses, Mules, head .....    | 1,139   | Lumber, feet .....         | 2,592,000 |
| Sheep, head .....            | 5,147   | Logs, cars .....           | 1         |
| Mixed Live Stock, cars ..... | 4       | Walnut Logs, cars .....    | 1         |
| Wheat, Corn, bushels .....   | 192,036 | Cross Ties .....           | 23,540    |
| Oats, bushels .....          | 98,250  | Cord Wood, cords .....     | 896       |
| Mixed Live Stock, cars ..... | 4       | Wool, pounds .....         | 49,900    |
| Hay, bales .....             | 73,861  | Cooperage, cars .....      | 25        |
| Flour, barrels .....         | 7,600   | Feathers, pounds .....     | 6,540     |
| Apples, barrels .....        | 1,850   | Furs, pounds .....         | 2,060     |
| Tobacco, pounds .....        | 60      | Vegetables, pounds .....   | 4,770     |
| Eggs, dozen .....            | 256,606 | Onions, bushels .....      | 74        |
| Butter, pounds .....         | 90,015  | Molasses, gallons .....    | 1,000     |
| Poultry, Game, pounds .....  | 310,300 | Cheese, pounds .....       | 7,210     |
| Dressed Meat, pounds .....   | 14,930  | Canned Goods, pounds ..... | 270       |
| Fish, pounds .....           | 173,745 | Milk, gallons .....        | 6,000     |
| Lard, pounds .....           | 80      | Strawberries, crates ..... | 911       |
| Hides, pounds .....          | 42,813  | Grass Seed, bushels .....  | 18,096    |
| Tallow, pounds .....         | 5,045   | Rye, bushels .....         | 1,800     |
| Small Fruit, crates .....    | 229     | Barley, bushels .....      | 609       |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 319,345 | \$2,601,535 | \$ 8.14            |
| Town Lots .....               | 4,721   | 600,380     | .....              |
| Horses .....                  | 9,324   | 192,367     | 20.62              |
| Mules .....                   | 2,366   | 55,410      | 23.13              |
| Cattle .....                  | 13,064  | 178,880     | 13.69              |
| Sheep .....                   | 11,962  | 13,560      | 1.12               |
| Hogs .....                    | 16,462  | 45,265      | 2.74               |
| Money, bonds and notes .....  | .....   | 767,240     | .....              |
| Other personal property ..... | .....   | 397,705     | .....              |
| Railroad property .....       | .....   | 388,185     | .....              |
| Telegraph property .....      | .....   | 4,148       | .....              |
| Total taxable wealth .....    | .....   | \$5,234,665 | .....              |

## GENERAL STATISTICS.

Average size of farms, 90 acres; average fruit acreage, apple, 1,500; average price of land, per acre, improved, \$33; unimproved, \$10; average wages, farm labor per month, summer, \$15; winter, \$10; number farm laborers in county, 300; average number months employed, 6; wages, domestic help, per week, \$1.50; most profitable products, corn, wheat and stock; number public schools, 86; number school teachers, 122; number pupils, 4,985; average school tax levy on \$100, 40 cents; permanent school fund, \$24,867.87.

## TOWNS.

MONTICELLO, the county seat, is located about 6 miles west of the St. L., Keo. & N. W. Railroad, near the center of the county. The

town is small, having a population of less than 300. It has one newspaper, one public school, one bank, three churches, two fraternal orders.

CANTON, population 3,000, is the largest town in the county, having both river and railroad transportation facilities. Other towns are:

|                    | Population. |
|--------------------|-------------|
| La Grange .....    | 1,800       |
| La Belle .....     | 1,500       |
| Lewistown .....    | 500         |
| Williamstown ..... | 300         |
| Steffenville ..... | 200         |

## LINCOLN COUNTY.

Population 20,000.

Railroads: H. & St. J., and St. L. K. & N. W.

Located on the central eastern border; 45 miles northwest of St. Louis; with an area of 508 square miles. The western and southern portions of the county are level and balance is rolling prairie. The soil is a black sandy loam. About 75 per cent of the land is tillable and fully 20 per cent is timbered and 5 per cent swampy. The Mississippi River drains the lands on the east, while the Cuivre, Big Creek and other streams flow through the county. A large area of coal and mineral land remains practically undisturbed. It has an abundance of the very finest glass sand and good supply of building stone, which is extensively quarried. Wood and coal are plentiful and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 28 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....        | 10 bushels             | .55                   | 5.50                    |
| Oats .....         | 26 bushels             | .12                   | 5.00                    |
| Potatoes .....     | 75 bushels             | .20                   | 14.00                   |
| Clover Seed .....  | 2 bushels              | 3.50                  |                         |
| Timothy Seed ..... | 4 bushels              | 1.75                  |                         |
| Timothy Hay .....  | 1 ton                  | 5.50                  |                         |
| Clover Hay .....   | 1½ tons                | 4.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                              |         |
|------------------------------|-----------|------------------------------|---------|
| Cattle, Sheep, head .....    | 6,570     | Logs and Piling, cars .....  | 26      |
| Hogs, head .....             | 34,720    | Cross Ties .....             | 11,766  |
| Horses, Mules, head .....    | 600       | Cord Wood, cords .....       | 553     |
| Mixed Live Stock, cars ..... | 245       | Posts, cars .....            | 8       |
| Wheat, bushels .....         | 231,500   | Lime, barrels .....          | 6,750   |
| Corn and Oats, bushels ..... | 46,500    | Wool, pounds .....           | 34,285  |
| Hay, bales .....             | 7,223     | Cooperage, cars .....        | 37      |
| Flour, barrels .....         | 1,708     | Feathers, Furs, pounds ..... | 24,721  |
| Apples, barrels .....        | 303       | Dried Fruits, pounds .....   | 3,470   |
| Tobacco, pounds .....        | 2,650     | Honey, pounds .....          | 702     |
| Eggs, dozen .....            | 1,066,213 | Molasses, gallons .....      | 115     |
| Butter, pounds .....         | 87,026    | Cheese, pounds .....         | 987     |
| Poultry, Game, pounds .....  | 723,411   | Nursery Stock, pounds .....  | 3,500   |
| Dressed Meat, pounds .....   | 10,330    | Canned Goods, pounds .....   | 240,000 |
| Fish, pounds .....           | 51,363    | Nuts, bushels .....          | 6       |
| Hides, Tallow, pounds .....  | 34,000    | Milk, gallons .....          | 13,200  |
| Small Fruit, C. and B. ....  | 445       | Mill Feed, pounds .....      | 126,000 |
| Lumber, feet .....           | 189,000   | Corn Meal, pounds .....      | 10,000  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 390,811 | \$3,042,430 | \$ 7.78            |
| Town Lots.....                | 2,779   | 361,230     |                    |
| Horses .....                  | 7,970   | 186,465     | 23.27              |
| Mules.....                    | 1,652   | 36,645      | 22.18              |
| Cattle .....                  | 12,799  | 146,210     | 11.34              |
| Sheep .....                   | 5,822   | 7,770       | 1.33               |
| Hogs .....                    | 26,624  | 58,660      | 2.20               |
| Money, bonds and notes .....  |         | 613,735     |                    |
| Other personal property ..... |         | 243,255     |                    |
| Railroad property .....       |         | 425,815     |                    |
| Telegraph property .....      |         | 4,790       |                    |
| Total taxable wealth .....    |         | \$5,126,105 |                    |

## GENERAL STATISTICS.

Average size of farms, 90 acres; average fruit acreage, apple, 3,000; peach, 300; small fruit, 300; average value improved land, per acre, \$30; unimproved, \$8; average wages farm labor per month, summer, \$15; winter, \$12; average number farm hands, 300; average number months employed, 5; average wages, domestic help, \$1.50 per week; most profitable products, wheat, corn and stock; number public schools, 94; number teachers, 111; number pupils, 5,860; average school tax levy on \$100; 40 cents; permanent county school fund, \$14,978.13.

## TOWNS.

TROY, the county seat, is located on the St. Louis & Hannibal Railroad and has a population of 1,000. It has one newspaper, two



banks, one public school, six churches, five fraternal orders, flouring mill, carriage factory, good streets. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Elsberry .....     | 390         |
| Silex .....        | 350         |
| Moscow Mills ..... | 200         |
| Foley .....        | 125         |
| Truxton .....      | 100         |
| Olney .....        | 100         |
| Whitesides .....   | 100         |

## LINN COUNTY.

Population 23,000.

Railroads: H. & St. J.; B. & K. C.; A. T., & S. F., and Wabash.

North central part of the State; 180 miles northwest of St. Louis; area, 620 square miles; surface undulating prairie, in the central and western part of the county; timber land in the extreme western part, comprising about one-tenth of the county. The soil is a black sandy loam, very productive. The county is drained by the Yellow, Locust and Parsons Creeks. Water is easily obtained in wells and cisterns. Coal underlies most of the county and is quite extensively mined. It sells at \$2 per ton and wood retails at \$3 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production |
|--------------------|------------------------|-----------------------|------------------------|
| Corn .....         | 35 bushels             | \$0.18                | \$ 6.20                |
| Wheat .....        | 14 bushels             | .60                   | 6.00                   |
| Oats .....         | 30 bushels             | .15                   | 5.00                   |
| Rye .....          | 20 bushels             | .40                   | 6.00                   |
| Potatoes .....     | 100 bushels            | .20                   | 13.00                  |
| Timothy Hay .....  | 1½ tons                | 5.00                  | 5.50                   |
| Clover Hay .....   | 2 tons                 | 4.50                  | 5.50                   |
| Clover Seed .....  | 2½ bushels             | 4.00                  |                        |
| Timothy Seed ..... | 3 bushels              | 1.75                  |                        |
| Tobacco .....      | 1000 pounds            | 5.00 per cwt.         |                        |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                             |         |
|------------------------------|-----------|-----------------------------|---------|
| Cattle, head .....           | 18,776    | Small Fruit, crates .....   | 177     |
| Hogs, head .....             | 42,723    | Building Brick, cars .....  | 13      |
| Horses and Mules, head ..... | 1,683     | Lumber, feet .....          | 163,000 |
| Sheep, head .....            | 3,960     | Cross Ties .....            | 905     |
| Wheat, bushels .....         | 3,000     | Cord Wood, cords .....      | 56      |
| Corn, bushels .....          | 45,000    | Coal, tons .....            | 8,523   |
| Oats, bushels .....          | 2,250     | Wool, pounds .....          | 34,465  |
| Hay, bales .....             | 9,786     | Cooperage, cars .....       | 17      |
| Flour, barrels .....         | 3,495     | Feathers, pounds .....      | 6,194   |
| Apples, barrels .....        | 7,970     | Furs, pounds .....          | 817     |
| Potatoes, bushels .....      | 64        | Vegetables, pounds .....    | 482     |
| Tobacco, pounds .....        | 19,425    | Molasses, gallons .....     | 1,000   |
| Eggs, dozen .....            | 276,599   | Nursery Stock, pounds ..... | 14,934  |
| Butter, pounds .....         | 68,295    | Nuts, bushels .....         | 202     |
| Poultry, pounds .....        | 1,213,236 | Beeswax, pounds .....       | 455     |
| Dressed Meat, pounds .....   | 1,296     | Pop Corn, bushels .....     | 56      |
| Game, pounds .....           | 8,994     | Milk, gallons .....         | 10,950  |
| Hides, pounds .....          | 88,701    | Ship Stuff, pounds .....    | 60,000  |
| Tallow, pounds .....         | 37,003    | Grass Seed, bushels .....   | 5,573   |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 885,872 | \$3,087,320 | \$ 7.86            |
| Town Lots.....                | 8,848   | 1,808,980   | .....              |
| Horses .....                  | 12,877  | 276,658     | 21.49              |
| Mules .....                   | 1,791   | 48,668      | 24.87              |
| Cattle .....                  | 27,421  | 389,018     | 14.18              |
| Sheep .....                   | 7,864   | 6,729       | .91                |
| Hogs .....                    | 20,919  | 44,806      | 2.13               |
| Money, bonds and notes .....  | .....   | 445,068     | .....              |
| Other personal property ..... | .....   | 402,979     | .....              |
| Railroad property.....        | .....   | 757,780     | .....              |
| Telegraph property .....      | .....   | 6,856       | .....              |
| Total taxable wealth.....     | .....   | \$6,717,395 | .....              |

## GENERAL STATISTICS.

Average size of farms, 90 acres; average fruit acreage, apple, 6,000; peach, 200; small fruit, 900; average value improved land, per acre, \$30; unimproved, \$12.50; average wages, farm labor, per month, summer, \$16; winter, \$14; average number farm hands employed during year, 500; average number months employed, 7; average wages, domestic help, per week, \$2; most profitable products, corn and stock; number public schools, 118; number teachers, 185; number pupils, 7,978; average school levy on \$100, 42 cents; permanent school fund, \$48,523.80.

## TOWNS.

LINNEUS is the county seat. It is located on the B. & K. C. Railroad, a little west of the center of the county and has a population

estimated at 1,000. The town supports two newspapers, two banks, one good school, five churches, six fraternal orders. The town has a flouring mill and several other manufacturing concerns are desired. Other towns in the county are:

BROOKFIELD, population, 6,000, the largest town in the county; freight division on the H. & St. J. Railroad. Has a good system of water works and electric lights, four newspapers, four banks, two flouring mills, foundry, implement factory and several smaller concerns.

|                 | Population. |
|-----------------|-------------|
| Marceline ..... | 2,800       |
| Bucklin .....   | 1,200       |
| Laclede .....   | 1,000       |
| Browning .....  | 900         |
| Meadville ..... | 700         |

## LIVINGSTON COUNTY.

Population 26,500.

Railroads: C. M. & St. P.; H. & St. J., and Wabash.

Located in the northwest central portion; 70 miles northeast of Kansas City. It has an area of 520 square miles and the surface is generally undulating, with rich black soil. The county is well drained by Grand River, Shoal and west fork of Medicine Creek. A small amount of timber is found along the streams, enough for home consumption. Eighty per cent of the land is tillable. A limited amount of coal is found, and about 1,000 tons were shipped last year. Wood sells at \$2 per cord and coal at \$3 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 32 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....        | 10 bushels             | .55                   | 5.75                    |
| Oats .....         | 25 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .25                   | 14.00                   |
| Clover Seed .....  | 2½ bushels             | 3.25                  | 5.00                    |
| Timothy Seed ..... | 8 bushels              | 2.00                  | 4.80                    |
| Clover Hay .....   | 2½ tons                | 4.00                  |                         |
| Timothy Hay .....  | 2½ tons                | 5.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                 |         |                              |           |
|---------------------------------|---------|------------------------------|-----------|
| Cattle, Hogs and Sheep, head .. | 52,011  | Lumber, feet .....           | 108,000   |
| Horses and Mules, head .....    | 1,920   | Cord Wood, cords .....       | 91        |
| Mixed Live Stock, cars .....    | 8       | Coal, tons .....             | 600       |
| Wheat, Corn, Oats, bushels .... | 46,250  | Stone and Sand, cars .....   | 52        |
| Mixed Grain, cars .....         | 4       | Wool, pounds .....           | 36,490    |
| Hay, bales .....                | 7,466   | Tobacco, pounds .....        | 30,500    |
| Flour, barrels .....            | 7,021   | Cooperage, cars .....        | 20        |
| Apples, barrels .....           | 21,967  | Feathers, pounds .....       | 480       |
| Eggs, dozen .....               | 180,270 | Furs, pounds .....           | 5,609     |
| Butter, pounds .....            | 26,152  | Small Fruit, C. and B. ....  | 6         |
| Poultry, Dressed Meat and       |         | Vegetables and Dried Fruits, |           |
| Game, pounds .....              | 223,583 | pounds .....                 | 1,093,156 |
| Fish, pounds .....              | 150     | Nursery Stock, pounds .....  | 23,690    |
| Hides and Tallow, pounds ....   | 12,882  | Ship Stuff, pounds .....     | 3,000     |
| Building Brick, cars .....      | 2       | Grass Seed, bushels .....    | 5,512     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 829,787 | \$2,558,158 | \$ 7.74            |
| Town Lots.....                | 6,025   | 1,105,067   | .....              |
| Horses .....                  | 13,047  | 271,862     | 20.77              |
| Mules .....                   | 1,741   | 36,886      | 22.89              |
| Oats .....                    | 20,608  | 246,080     | 11.94              |
| Sheep .....                   | 11,118  | 11,863      | 1.02               |
| Hogs .....                    | 34,913  | 72,012      | 2.06               |
| Money, bonds and notes .....  | .....   | 466,036     | .....              |
| Other personal property ..... | .....   | 582,381     | .....              |
| Railroad property.....        | .....   | 912,887     | .....              |
| Telegraph property .....      | .....   | 11,860      | .....              |
| Total taxable wealth .....    | .....   | \$6,274,526 | .....              |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apples, 7,000; peach, 200; average price of improved land, per acre, \$35; unimproved, \$10; average wages of farm labor, summer, \$16; winter, \$12; average number farm hands, 450; average number months employed, 8; average weekly wages, domestic help, \$1.75; most profitable products, stock, fruit and corn; number schools, 102; number teachers, 178; number pupils, 6,896; average school tax levy on \$100, 51 cents; permanent county school fund, \$113,886.21.

## CITIES AND TOWNS.

CHILLICOTHE, the county seat, is located near the center of the county on the H. & St. J., C. M. & St. P. and Wabash Railroads. It has a population of 7,000. It has ten newspapers (two of them religious and two educational), four banks, five public school buildings, one private normal school, one parochial school, nine churches, twelve

fraternal orders, two flouring mills, four cigar factories, two broom factories, three foundries, one planing mill, one buggy seat factory. The city is lighted with gas and electricity and has a good system of water works. The streets are well paved. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Utica .....      | 600         |
| Chula .....      | 500         |
| Wheeling .....   | 450         |
| Dawn .....       | 250         |
| Avalon .....     | 250         |
| Mooreville ..... | 200         |
| Ludlow .....     | 150         |

## McDONALD COUNTY.

Population 18,360.

Railroads: K. C., P. & G.

Extreme southwestern county in the State; 170 miles south of Kansas City; undulating and hilly; three-fourths timber land; soil, mulatto, and quite productive, especially in the bottoms. The county is drained by the Elk, Little Sugar Creek and many smaller streams. There are good wells and numerous springs in the county. Sixty per cent of the land can be tilled. The timber consists of oak, walnut, cedar and pine, from which large quantities of cross ties, piling, posts and lumber are cut and exported. A large amount of limestone is quarried and there are indications of lead and zinc in paying quantities. The principal fuel is wood, both abundant and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 25 bushels             | \$0.25                | \$ 6.00                 |
| Wheat.....       | 15 bushels             | .55                   | 6.00                    |
| Clover Hay ..    | 2 tons                 | 7.00                  | 6.00                    |
| Timothy Hay..... | 1½ tons                | 8.00                  | 6.00                    |
| Tobacco. ....    | 1000 pounds            | 5.00 per cwt.         | 35.00                   |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head.....            | 1,400   | Small Fruit, C. and B. .... | 160     |
| Hogs, head .....             | 6,480   | Dried Fruit, pounds .....   | 250     |
| Horses and Mules, head ..... | 40      | Feathers, pounds .....      | 1,440   |
| Sheep, head .....            | 1,440   | Lumber, feet .....          | 414,000 |
| Mixed Live Stock, cars ..... | 3       | Logs, cars .....            | 12      |
| Wheat, bushels .....         | 51,000  | Cross Ties .....            | 21,720  |
| Corn, bushels .....          | 1,000   | Cord Wood, cords .....      | 707     |
| Oats, bushels .....          | 750     | Stone, cars .....           | 60      |
| Hay, bales .....             | 699     | Gravel, cars .....          | 2       |
| Flour, barrels .....         | 5,181   | Sand, cars .....            | 2       |
| Apples, barrels .....        | 7       | Wool, pounds .....          | 6,010   |
| Eggs, dozen .....            | 159,680 | Beeswax, pounds .....       | 770     |
| Butter, pounds .....         | 1,152   | Nuts, bushels .....         | 655     |
| Poultry, pounds .....        | 39,056  | Nursery Stock, pounds ..... | 100     |
| Game, pounds .....           | 1,000   | Molasses, gallons .....     | 150     |
| Fish, pounds .....           | 600     | Onions, bushels .....       | 1       |
| Hides, pounds .....          | 10,410  | Corn Meal, pounds .....     | 46,520  |
| Tallow, pounds .....         | 1,000   | Ship Stuff, pounds .....    | 387,520 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.               | No.     | Value.             | Average Valuation. |
|----------------------------------|---------|--------------------|--------------------|
| Lands, acres.....                | 286,953 | \$394,421          | \$ 8.11            |
| Town Lots.....                   | 771     | 87,780             |                    |
| Horses .....                     | 4,553   | 106,336            | 23.20              |
| Mules .....                      | 1,819   | 51,679             | 24.01              |
| Cattle .....                     | 7,248   | 57,035             | 7.86               |
| Sheep .....                      | 7,046   | 7,046              | 1.00               |
| Hogs .....                       | 19,033  | 25,978             | 1.36               |
| Money, bonds and notes.....      |         | 108,000            |                    |
| Other personal property.....     |         | 117,487            |                    |
| Railroad property .....          |         | 161,831            |                    |
| Telegraph property .....         |         | 1,918              |                    |
| <b>Total taxable wealth.....</b> |         | <b>\$1,597,647</b> |                    |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 2,000; peach, 250; average value land, per acre, improved, \$13; unimproved, \$3; average wages farm labor, per month, summer, \$13; winter, \$12; average number farm hands, 200; average number months employed during year, 5; average wages, domestic help, \$1.50; most profitable product, cattle; number public schools, 66; number school teachers, 73; number pupils, 4,916; average school tax levy on \$100; 41 cents; permanent school fund, \$12,313.61.

## TOWNS.

PINEVILLE, the county seat, is located near the center of the county, about 5 miles from the K. C., P. & G. Railroad. It has a population of 400. There are two newspapers, one bank, one public

school, two churches, three fraternal orders. Wagon and other wooden factories are desired. Other towns are:

|                      | Population. |
|----------------------|-------------|
| Southwest City ..... | 1,400       |
| Anderson .....       | 300         |
| Noel .....           | 250         |
| Rocky Comfort .....  | 250         |
| Tiff City .....      | 200         |
| Lanagan .....        | 200         |
| Jane .....           | 150         |

## MACON COUNTY.

Population 38,000.

Railroads: A. T. & S. F.; H. & St. J., and Wabash.

Northeast central Missouri; 140 miles northwest of St. Louis; area, 820 square miles; surface, undulating; two-thirds prairie, balance in timber. Eighty per cent of the land is tillable; soil fertile, black loam. The county is drained by the Chariton River and its branches and watered by wells, cisterns and springs. Limestone, sandstone and pottery clay are found, but coal is the principal mineral product, and Macon County ranks first among the coal producing counties of the State. Coal and wood both being abundant, fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 38 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....        | 12 bushels             | .60                   | 6.00                    |
| Oats .....         | 20 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .25                   | 15.00                   |
| Timothy Seed ..... | 3 bushels              | 2.00                  |                         |
| Clover Seed .....  | 2 bushels              | 3.50                  |                         |
| Clover Hay .....   | 2 tons                 | 6.00                  | 5.50                    |
| Timothy Hay .....  | 1½ tons                | 6.50                  | 5.25                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                                 |         |
|------------------------------|-----------|---------------------------------|---------|
| Cattle, head .....           | 7,952     | Sewer Pipe and Tile, cars ..... | 2       |
| Hogs, head .....             | 54,527    | Lumber, feet .....              | 351,000 |
| Horses and Mules, head ..... | 1,600     | Logs, cars .....                | 21      |
| Sheep, head .....            | 9,362     | Walnut Logs, cars .....         | 2       |
| Mixed Live Stock, cars ..... | 13        | Cross Ties .....                | 11,765  |
| Wheat, bushels .....         | 8,500     | Cord Wood, cords .....          | 35      |
| Corn, bushels .....          | 14,500    | Coal, tons .....                | 420,600 |
| Oats, bushels .....          | 12,000    | Wool, pounds .....              | 22,099  |
| Hay, bales .....             | 33,088    | Cooperage, cars .....           | 29      |
| Flour, barrels .....         | 2,696     | Vegetables, pounds .....        | 394,870 |
| Apples, barrels .....        | 4,429     | Dried Fruit, pounds .....       | 12,230  |
| Potatoes, bushels .....      | 51        | Honey, pounds .....             | 1,327   |
| Tobacco, pounds .....        | 50        | Molasses, gallons .....         | 328     |
| Eggs, dozen .....            | 1,054,063 | Cheese, pounds .....            | 110     |
| Butter, pounds .....         | 122,629   | Nursery Stock, pounds .....     | 835     |
| Poultry, pounds .....        | 842,637   | Beeswax, pounds .....           | 50      |
| Dressed Meat, pounds .....   | 2,570     | Nuts, bushels .....             | 83      |
| Game, pounds .....           | 6,100     | Ship Stuff, pounds .....        | 137,000 |
| Fish, pounds .....           | 515       | Grass Seed, bushels .....       | 590     |
| Hides, pounds .....          | 97,081    | Timothy Seed, bushels .....     | 600     |
| Tallow, pounds .....         | 32,740    | Corn Meal, pounds .....         | 500     |
| Small Fruits, crates .....   | 67        | Feathers, pounds .....          | 3,265   |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 516,817 | \$4,089,687 | \$ 7.92            |
| Town Lots .....               | 6,978   | 1,087,480   | .....              |
| Horses .....                  | 15,827  | 850,802     | 22.16              |
| Mules .....                   | 4,199   | 96,544      | 22.99              |
| Cattle .....                  | 21,594  | 280,978     | 18.01              |
| Sheep .....                   | 7,428   | 7,781       | 1.04               |
| Hogs .....                    | 80,481  | 64,362      | 2.11               |
| Money, bonds and notes .....  | .....   | 781,588     | .....              |
| Other personal property ..... | .....   | 684,056     | .....              |
| Railroad property .....       | .....   | 1,187,458   | .....              |
| Telegraph property .....      | .....   | 10,980      | .....              |
| Total taxable wealth .....    | .....   | \$8,521,589 | .....              |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 3,000; small fruits, 300; average value of land, per acre, improved, \$35; unimproved, \$15; average wages farm labor, per month, summer, \$15; winter, \$10; average wages, domestic help, per week, \$2; average number farm hands employed in county, 550; average number months employed during year, 6; most profitable products, corn, wheat and stock; number public schools, 138; number school teachers, 209; number pupils, 10,497; average school tax levy on \$100, 43 cents; permanent school fund, \$7,554.90.



## CITIES AND TOWNS.

MACON, the county seat, is centrally located on the Wabash and H. & St. J. Railroads; population about 4,000. It has four newspapers, two banks, two public schools, ten churches and eight fraternal orders. The city also has two flouring mills, two wagon and carriage factories, cigar and broom factories. The water works and electric light plants are both owned and operated by the city. The streets are well graded and walks are of stone and brick. Other important towns are:

|                   | Population. |
|-------------------|-------------|
| La Platta .....   | 1,500       |
| Bevier .....      | 1,400       |
| New Cambria ..... | 450         |
| Atlanta .....     | 300         |
| Ethel .....       | 250         |
| Elmer .....       | 250         |

## MADISON COUNTY.

Population 12,000.

Railroads: St. L., I. M. & S.

Located in the southeastern part of the State; 70 miles south of St. Louis, with an area of 492 square miles. The surface is generally hilly and 60 per cent of it is covered with timber. Seventy-five per cent of the land is tillable. The soil in bottoms is black sandy loam and on uplands of mulatto cast. The county is drained by St. Francois River and many small streams. Fuel is plentiful and cheap. Good building stone is abundant and lead and zinc are mined extensively.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 28 bushels             | \$0.25                | \$ 6.00                 |
| Wheat .....       | 18 bushels             | .55                   | 6.00                    |
| Oats .....        | 20 bushels             | .25                   | 5.00                    |
| Potatoes .....    | 75 bushels             | .40                   | 14.00                   |
| Clover Seed ..... | 2 bushels              | 4.50                  | 5.00                    |
| Clover Hay .....  | 1½ tons                | 5.00                  |                         |
| Timothy Hay ..... | 1½ tons                | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                  |         |                                  |           |
|----------------------------------|---------|----------------------------------|-----------|
| Cattle, Hogs and Sheep, head ... | 10,135  | Hides and Feathers, pounds ..... | 2,380     |
| Horses and Mules, head .....     | 40      | Small Fruit, C. and B. ....      | 218       |
| Mixed Live Stock, cars .....     | 6       | Dried Fruit, Vegetables, pounds. | 16,392    |
| Wheat, bushels .....             | 2,500   | Lumber, feet .....               | 4,131,000 |
| Hay, bales .....                 | 233     | Cross Ties .....                 | 3,982     |
| Flour, barrels .....             | 21,350  | Pig Lead, tons .....             | 3,201     |
| Grass Seed, bushels .....        | 500     | Nickel Ore, tons .....           | 160       |
| Mill Feed, pounds .....          | 120,000 | Stone and Granite, cars .....    | 68        |
| Eggs, dozen .....                | 96,717  | Charcoal, cars .....             | 2         |
| Butter, pounds .....             | 90      | Wool, pounds .....               | 18,159    |
| Poultry and Game, pounds .....   | 191,863 | Cooperage, cars .....            | 9         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 288,060 | \$486,087   | \$ 8.06            |
| Town Lots .....               | 1,040   | 281,618     | .....              |
| Horses .....                  | 2,482   | 59,616      | 24.09              |
| Mules .....                   | 1,264   | 29,671      | 23.66              |
| Cattle .....                  | 6,018   | 52,817      | 8.70               |
| Sheep .....                   | 6,774   | 7,802       | 1.15               |
| Hogs .....                    | 9,065   | 16,404      | 1.80               |
| Money, bonds and notes .....  | .....   | 117,875     | .....              |
| Other personal property ..... | .....   | 148,141     | .....              |
| Railroad property .....       | .....   | 185,090     | .....              |
| Telegraph property .....      | .....   | 2,696       | .....              |
| Total taxable wealth .....    | .....   | \$1,712,577 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 1,500; peach, 500; small fruits, 150; average price of improved land, per acre, \$18; unimproved, \$4; average wages of farm labor, \$13 year round; average number farm hands, 120; average number months employed during year, 5½; average weekly wages, domestic help, \$1.25; most profitable product, cattle raising; number public schools, 60; number teachers, 75; number pupils, 3,640; average school tax levy on \$100. 43 cents; permanent county school fund, \$3,173.03.

## TOWNS.

FREDERICKTOWN, the county seat, is located on the Iron Mountain Railroad, and has a population of 2,000. It has two newspapers, two banks, two public schools, one private institute (Marvin), five churches, six fraternal orders, two flouring mills, saw mill and ice plant. It is lighted by electricity and the streets are graded and well graveled. Other towns in the county are:

|                     |             |
|---------------------|-------------|
| Mine La Motte ..... | Population. |
| Marquand .....      | 500         |
|                     | 300         |

## MARIES COUNTY.

Population 10,000.

No Railroads. (St. L. &amp; S. F. near southern border.)

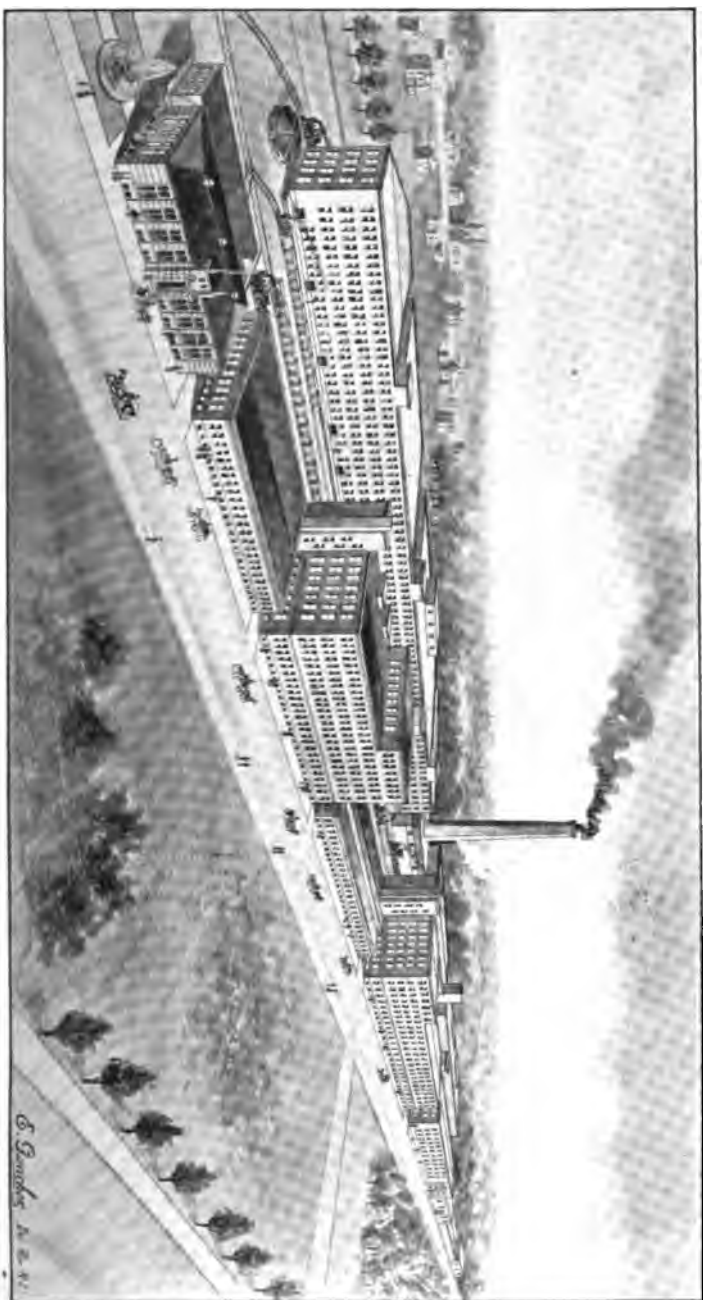
Central part of the State; 90 miles southwest of St. Louis and 25 miles south of Jefferson City; area, 515 square miles; surface, hilly and well wooded; soil, fertile in the valleys. The Gasconade River and many small streams drain the county. Sixty per cent of the land is tillable. Timber is principally hard wood. Many cross ties are exported. Limestone and sandstone are found in large quantities. Iron, lead and zinc also exist, but are little mined. Wood is the only fuel. It sells at \$1.50 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.25                | \$ 5.85                 |
| Wheat.....        | 10 bushels             | .55                   | 5.25                    |
| Oats.....         | 20 bushels             | .25                   | 5.00                    |
| Potatoes .....    | 100 bushels            | .80                   | 15.00                   |
| Tobacco .....     | 1000 pounds            | 7.00 per cwt.         | 35.00                   |
| Timothy Hay ..... | 2 tons                 | 7.50                  | 5.00                    |
| Clover Hay.....   | 2½ tons                | 7.00                  | 5.80                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |        |                           |        |
|------------------------------|--------|---------------------------|--------|
| Cattle, head .....           | 2,450  | Pelts, pounds .....       | 550    |
| Hogs, head .....             | 9,433  | Feathers, pounds .....    | 1,500  |
| Horses and Mules, head ..... | 561    | Furs, pounds .....        | 300    |
| Sheep, head .....            | 2,625  | Dried Fruit, pounds ..... | 1,600  |
| Eggs, dozen .....            | 60,000 | Lumber, feet .....        | 90,000 |
| Butter, pounds .....         | 500    | Cross Ties .....          | 96,000 |
| Poultry, pounds .....        | 45,000 | Cord Wood, cords .....    | 65     |
| Dressed Meat, pounds .....   | 750    | Wool, pounds .....        | 4,000  |
| Game, pounds .....           | 1,500  | Melons .....              | 6,000  |
| Fish, pounds .....           | 1,100  | Honey, pounds .....       | 800    |
| Hides, pounds .....          | 3,500  | Onions, bushels .....     | 200    |
| Lard, pounds .....           | 900    | Molasses, gallons .....   | 500    |
| Tallow, pounds .....         | 350    |                           |        |



VIEW OF LIGGETT & MYERS TOBACCO FACTORIES, ST. LOUIS, MO.



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres .....           | 322,022 | \$1,049,890 | \$ 3.26            |
| Town Lots.....               | 460     | 30,400      |                    |
| Horses .....                 | 4,080   | 82,065      | 20.12              |
| Mules .....                  | 2,232   | 48,888      | 21.41              |
| Cattle .....                 | 10,933  | 98,699      | 8.97               |
| Sheep .....                  | 12,123  | 12,123      | 1.00               |
| Hogs .....                   | 22,667  | 31,735      | 1.40               |
| Money, bonds and notes.....  |         | 150,979     |                    |
| Other personal property..... |         | 76,319      |                    |
| Railroad property.....       |         |             |                    |
| Telegraph property .....     |         |             |                    |
| Total taxable wealth .....   |         |             |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 800; average value of land, per acre, improved, \$14; unimproved, \$2.50; average wages farm labor, per month, summer, \$13; winter, \$10; average wages, domestic help, per week, \$1.25; average number farm hands employed, 300; average months employed in year, 6; most profitable products, corn, hay and stock; number public schools, 51; number teachers, 53; number pupils, 3,292; average school tax levy on \$100, 48 cents; permanent school fund, \$7,299.75.

## TOWNS.

VIENNA, the county seat, is located near the center of the county and has a population of about 500. It has two newspapers, one public school, three churches, two fraternal orders. A railroad would increase the trade and population of the town. Other points in the county are:

|                    | Population. |
|--------------------|-------------|
| Vichy Spring ..... | 100         |
| Brinkton .....     | 50          |

## MARION COUNTY.

Population 28,000.

Railroads: H. & St. J., St. L. K. & N. W., M. K. & T. and Q. O. & K. C.

Located on the eastern border, the third county from the north line. It has an area of 420 square miles, and is 108 miles north of St. Louis. The surface is undulating and mostly prairie. The soil is a rich black loam, underlaid with clay subsoil and very productive.

Ninety per cent of the land is tillable and 10 per cent is timbered. The streams of the county are Fabius, North and Salt Rivers and their numerous branches. Small veins of coal are found in the county, which are mined for local demand. Good water is easily obtained and fuel cheap.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn.....          | 35 bushels             | \$0.17                | \$ 6.00                 |
| Wheat .....        | 15 bushels             | .55                   | 6.00                    |
| Oats.....          | 30 bushels             | .14                   | 5.00                    |
| Potatoes.....      | 70 bushels             | .20                   | 14.00                   |
| Clover Seed .....  | 2½ bushels             | 3.50                  |                         |
| Timothy Seed ..... | 3 bushels              | 1.75                  |                         |
| Clover Hay.....    | 2 tons                 | 5.00                  |                         |
| Timothy Hay.....   | 1½ tons                | 6.00                  |                         |

### SURPLUS PRODUCTS SHIPPED.

|                               |         |                            |           |
|-------------------------------|---------|----------------------------|-----------|
| Cattle and Hogs, head .....   | 27,184  | Furs, pounds .....         | 373       |
| Horses and Mules, head .....  | 783     | Feathers, pounds .....     | 1,020     |
| Sheep, head .....             | 2,390   | Small Fruit, crates .....  | 140       |
| Wheat and Corn, bushels ..... | 34,000  | Building Brick, cars ..... | 16        |
| Oats, bushels .....           | 1,500   | Lumber, feet .....         | 902,000   |
| Hay, bales .....              | 10,019  | Logs, cars .....           | 2         |
| Flour, barrels .....          | 329,690 | Cross Ties .....           | 1,267     |
| Apples, barrels .....         | 2,183   | Cord Wood, cords .....     | 1,309     |
| Potatoes, bushels .....       | 930     | Lime, barrels .....        | 138,000   |
| Eggs, dozen .....             | 5,550   | Stone, cars .....          | 280       |
| Butter, pounds .....          | 1,899   | Sand, cars .....           | 6         |
| Poultry, pounds .....         | 49,873  | Wool, pounds .....         | 38,100    |
| Dressed Meat, pounds .....    | 136,169 | Cooperage, cars .....      | 4         |
| Game, pounds .....            | 1,415   | Vegetables, pounds .....   | 4,550     |
| Fish, pounds .....            | 55,500  | Cheese, pounds .....       | 460       |
| Lard, pounds .....            | 212,600 | Mill Feed, pounds .....    | 1,100,000 |
| Hides, pounds .....           | 10,060  | Grass Seed, bushels .....  | 500       |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres.....             | 276,612 | \$3,118,212 | \$11.27               |
| Town Lots .....               | 5,408   | 8,840,780   |                       |
| Horses .....                  | 8,296   | 191,923     | 23.13                 |
| Mules .....                   | 1,290   | 80,900      | 23.99                 |
| Cattle .....                  | 8,423   | 122,544     | 14.54                 |
| Sheep .....                   | 6,488   | 10,070      | 1.55                  |
| Hogs .....                    | 17,068  | 44,580      | 2.61                  |
| Money, bonds and notes .....  |         | 779,705     |                       |
| Other personal property ..... |         | 907,885     |                       |
| Railroad property .....       |         | 923,773     |                       |
| Telegraph property .....      |         | 11,460      |                       |
| Total taxable wealth .....    |         | \$9,921,612 |                       |

## GENERAL STATISTICS.

Average size of farms, 110 acres; average fruit acreage, apple, 1,500; small fruits, 300; average value of improved land, per acre, \$40; unimproved, \$15; average wages farm labor, summer, \$16; winter, \$12; average wages, domestic labor, per week, \$2; average number farm hands, 600; average number months employed, 6; most profitable products, corn and wheat; number schools, 66; number teachers, 135; number pupils, 7,988; average school tax levy on \$100, 32 cents; permanent county school fund, \$26,656.81.

## CITIES AND TOWNS.

PALMYRA, the county seat, is located on the H. & St. J. Railroad, and has a population of 2,800. It has two newspapers, two banks, one school, one college, eight churches, five fraternal orders, one flouring mill, a tobacco factory, good streets, water works and electric lights.

HANNIBAL, the metropolis of northeast Missouri, is in Marion County and has a population of 14,500. It is the center of an important network of railways, has car shops, stove works, shoe manufacturing and an extensive lumber trade. It has two newspapers and several large jobbing houses. It is located on the Mississippi River, which is spanned by an iron bridge 1,600 feet in length. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Philadelphia ..... | 250         |
| Warren .....       | 100         |
| Emerson .....      | 100         |

## MERCER COUNTY.

Population 16,000.

Railroads: C. R. I. & P. and Des M. & K. C.

Central county on northern border of the State; 100 miles north-east of Kansas City; area, 484 square miles; surface, undulating prairie and woodland. Seventy per cent is tillable and 20 per cent is in timber, consisting of oak, hickory, elm and walnut. Some lumber and railroad ties are exported. The soil is both light and dark loam; prairie and bottom land very productive. The county is watered by Grand River, Medicine Creek and other small streams. There are also numerous springs and wells. Limestone and good clay for brick are



found. Wood is the principal fuel and retails at \$2 per cord. Coal sells at \$3 per ton.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 28 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....       | 10 bushels             | .60                   | 5.75                    |
| Oats .....        | 23 bushels             | .14                   | 5.00                    |
| Potatoes .....    | 50 bushels             | .25                   | 15.00                   |
| Timothy Hay ..... | 1 ton                  | 6.00                  | 5.00                    |
| Clover Hay .....  | 1½ tons                | 6.00                  | 5.50                    |

### SURPLUS PRODUCTS SHIPPED.

|                              |        |                             |         |
|------------------------------|--------|-----------------------------|---------|
| Cattle, head .....           | 2,601  | Wool, pounds .....          | 1,387   |
| Hogs, head .....             | 17,200 | Molasses, gallons .....     | 149     |
| Sheep, head .....            | 3,060  | Nursery Stock, pounds ..... | 1,250   |
| Mixed Live Stock, cars ..... | 17     | Nuts, bushels .....         | 3       |
| Horses and Mules, head ..... | 260    | Apples, barrels .....       | 300     |
| Wheat, bushels .....         | 500    | Lumber, feet .....          | 198,000 |
| Hay, bales .....             | 731    | Cross Ties .....            | 492,863 |
| Flax Seed, bushels .....     | 1,500  | Eggs, dozen .....           | 233,960 |
| Flour, barrels .....         | 75     | Butter, pounds .....        | 5,394   |
| Grass Seed, bushels .....    | 448    | Poultry, pounds .....       | 285,489 |
| Small Fruit, C. and B. ....  | 105    | Dressed Meat, pounds .....  | 150     |
| Dried Fruit, pounds .....    | 17,460 | Game, pounds .....          | 2,194   |
| Cord Wood, cords .....       | 616    | Hides, pounds .....         | 4,410   |
| Tiff, cars .....             | 31     | Feathers, pounds .....      | 697     |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 288,004 | \$2,277,445 | \$ 7.87               |
| Town Lots .....               |         | 207,600     |                       |
| Horses .....                  | 10,515  | 223,523     | 21.25                 |
| Mules .....                   | 720     | 16,278      | 22.51                 |
| Cattle .....                  | 22,746  | 346,412     | 15.22                 |
| Sheep .....                   | 3,317   | 3,347       | 1.00                  |
| Hogs .....                    | 18,050  | 42,463      | 2.35                  |
| Money, bonds and notes .....  |         | 315,565     |                       |
| Other personal property ..... |         | 163,187     |                       |
| Railroad property .....       |         | 385,272     |                       |
| Telegraph property .....      |         | 3,352       |                       |
| Total taxable wealth .....    |         | \$3,984,453 |                       |

### GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 1,500; small fruits, 200; average value of improved land, per acre, \$30; unimproved, \$15; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.50; average

number farm hands in county, 300; average number months employed during year, 6; most profitable product, stock raising; number public schools, 89; number teachers, 121; number pupils, 5,054; average school tax levy on \$100, 42 cents; permanent school fund, \$45,538.

## TOWNS.

PRINCETON, the county seat, has a population of 1,600, located on C., R. I. & P. Railroad near the center of the county. The town has two newspapers, two banks, one public school, five churches and six fraternal orders, a flouring mill, creamery and cigar factory. Water works and electric lights are owned and operated successfully by the city. A creamery and wagon factory are desired. The streets are graded and in good condition. Other towns of importance are:

|                  | Population. |
|------------------|-------------|
| Ravanna .....    | 350         |
| Mill Grove ..... | 300         |
| Mercer .....     | 100         |
| Modena .....     | 100         |
| Half Rock .....  | 90          |
| Saline .....     | 75          |

## MILLER COUNTY.

Population 17,000.

Railroads: Mo. Pac.

Located in central part of the State; 20 miles south of Jefferson City. It has an area of 590 square miles. The surface is rolling and 50 per cent is covered with timber. The Osage River flows through the county, furnishing excellent drainage. The soil is very fertile along the river bottoms. Coal is found in the western part of the county and a trace of lead and zinc has been discovered. Large shipments of stone and sand are made during the year. The county is unexcelled in fine springs of pure water and fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 25 bushels             | \$0.80                | \$ 5.50                 |
| Wheat .....      | 12 bushels             | .55                   | 5.50                    |
| Oats .....       | 28 bushels             | .15                   | 4.50                    |
| Potatoes.....    | 50 bushels             | .40                   | 12.00                   |
| Flax.....        | 6 bushels              | .40                   | 4.50                    |
| Eye .....        | 9 bushels              | .50                   | 5.00                    |
| Broom Corn ..... | 1 ton                  | 40.00                 |                         |
| Beans .....      | 10 bushels             | 1.25                  |                         |
| Timothy Hay..... | 2 tons                 | 8.00                  | 5.00                    |
| Clover Hay ..... | 2 tons                 | 6.00                  |                         |
| Tobacco.....     | 700 pounds             | .07                   |                         |

## SURPLUS PRODUCTS SHIPPED.

|  |         |                             |         |
|--|---------|-----------------------------|---------|
| Cattle, Hogs, Sheep, head .....              | 29,825  | Dried Fruit, pounds .....   | 600     |
| Horses and Mules, head .....                 | 351     | Lumber, feet .....          | 139,000 |
| Mixed Live Stock, cars .....                 | 1       | Piling, cars .....          | 3       |
| Wheat, Corn and Oats, bushels...             | 13,750  | Cord Wood, cords .....      | 183     |
| Mixed Grain, cars .....                      | 1       | Stone and Sand, cars .....  | 155     |
| Hay, bales .....                             | 233     | Wool, pounds .....          | 3,725   |
| Rye, bushels .....                           | 600     | Cooperage, cars .....       | 9       |
| Flour, barrels .....                         | 196     | Molasses, gallons .....     | 1,250   |
| Apples, barrels .....                        | 1,108   | Cheese, pounds .....        | 2,100   |
| Eggs, dozen .....                            | 280,790 | Nursery Stock, pounds ..... | 12,253  |
| Butter, pounds .....                         | 73,244  | Nuts, bushels .....         | 5,449   |
| Poultry, Dressed Meat, Game,<br>pounds ..... | 277,616 | Beeswax, pounds .....       | 300     |
| Hides and Tallow, pounds .....               | 24,520  | Grass Seed, bushels .....   | 600     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average<br>Valuation. |
|------------------------------|---------|-------------|-----------------------|
| Lands, acres.....            | 352,458 | \$1,440,167 | \$ 4.02               |
| Town Lots .....              | 6,278   | 148,944     |                       |
| Horses.....                  | 5,306   | 114,885     | 21.65                 |
| Mules.....                   | 2,294   | 58,910      | 25.60                 |
| Oattle.....                  | 12,978  | 114,566     | 8.82                  |
| Sheep.....                   | 12,636  | 12,485      | .98                   |
| Hogs.....                    | 25,702  | 41,608      | 1.61                  |
| Money, bonds and notes ..... |         | 286,980     |                       |
| Other personal property..... |         | 179,990     |                       |
| Railroad property.....       |         | 78,188      |                       |
| Telegraph property.....      |         | 1,508       |                       |
| Total taxable wealth .....   |         | \$2,422,570 |                       |

## GENERAL STATISTICS.

Average size of farms, 70 acres; average fruit acreage, apple, 2,000; peach, 200; small fruits, 500; average value improved land, per acre, \$14; unimproved, \$3; average monthly wages farm labor; summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 300; average number months employed during year, 6; most profitable products, corn, hay, stock, fruit; number public schools, 80; number teachers, 95; number pupils, 5,622; average school tax levy on \$100, 53 cents; permanent county school fund, \$14,000.

## TOWNS.

TUSCUMBIA, the county seat, is an inland town of 500 inhabitants, near the center of the county and on the Osage River. It has

two newspapers, three churches, one fraternal order, one flouring mill, one saw mill. Other towns are:

|                 | Population. |
|-----------------|-------------|
| Iberia .....    | 700         |
| Eldon .....     | 600         |
| Olean .....     | 500         |
| Bagnell .....   | 250         |
| Brumley .....   | 200         |
| Charleton ..... | 150         |

### MISSISSIPPI COUNTY.

Population 11,000.

Railroads: St. L. I. M. & S. and St. L. S. W.

Almost the extreme southeastern part of the State, bordering on the Mississippi River; area, 430 square miles. The surface is low and level, with some swamp land. The soil is a sandy loam, exceedingly fertile. About half of the county is covered with heavy timber, consisting of oak, gum, cypress and hickory and considerable lumber is exported. The county is drained by the Mississippi River and St. James Bayou. Water is near the surface and easily obtained. Wood is the only fuel, price about \$1.50 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn.....        | 26 bushels             | \$0.80                | \$ 6.00                 |
| Wheat .....      | 20 bushels             | .65                   | 6.00                    |
| Oats .....       | 25 bushels             | .25                   | 5.50                    |
| Potatoes .....   | 150 bushels            | .50                   | 15.00                   |
| Timothy Hay..... | 1½ tons                | 9.00                  | 6.50                    |
| Clover Hay ..... | 2 tons                 | 8.50                  | 7.00                    |
| Cotton .....     | 1800 pounds            | .02½                  | 14.00                   |
| (Seed Cotton.)   |                        |                       |                         |

### SURPLUS PRODUCTS SHIPPED.

|                            |         |                            |            |
|----------------------------|---------|----------------------------|------------|
| Cattle, head .....         | 1,000   | Game, pounds .....         | 458        |
| Hogs, head .....           | 3,450   | Fish, pounds .....         | 2,345      |
| Wheat, bushels .....       | 127,000 | Lard, pounds .....         | 100        |
| Corn, bushels .....        | 315,000 | Hides, pounds .....        | 1,200      |
| Hay, bales .....           | 2,383   | Lumber, feet .....         | 11,188,000 |
| Flour, barrels .....       | 22,652  | Cotton Seed, pounds .....  | 1,900,000  |
| Apples, barrels .....      | 1       | Cotton, bales .....        | 1,900      |
| Potatoes, bushels .....    | 15,000  | Furs, pounds .....         | 2,565      |
| Melons .....               | 1,500   | Vegetables, pounds .....   | 198,070    |
| Eggs, dozen .....          | 4,545   | Clover Seed, bushels ..... | 8          |
| Poultry, pounds .....      | 20,037  | Corn Meal, pounds .....    | 1,355,000  |
| Dressed Meat, pounds ..... | 75      |                            |            |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 255,060 | \$1,208,064 | \$ 4.71            |
| Town Lots.....               |         | 343,390     |                    |
| Horses.....                  | 2,252   | 50,564      | 22.45              |
| Mules.....                   | 2,970   | 72,646      | 24.30              |
| Cattle.....                  | 5,553   | 40,180      | 7.23               |
| Sheep.....                   | 273     | 347         | 1.27               |
| Hogs.....                    | 14,431  | 23,523      | 1.63               |
| Money, bonds and notes.....  |         | 201,255     |                    |
| Other personal property..... |         | 305,185     |                    |
| Railroad property.....       |         | 445,274     |                    |
| Telegraph property.....      |         | 7,050       |                    |
| Total taxable wealth .....   |         | \$2,662,458 |                    |

## GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit acreage, apple, 160; peach, 80; average value of improved land, per acre, \$25; unimproved, \$5; average monthly wages farm labor, summer, \$15; winter, \$14; average weekly wages, domestic help, \$2; average number farm hands in county, 400; average number months employed during year, 8; most profitable products, wheat and corn; number public schools, 32; number school teachers, 50; number pupils, 3,406; average school tax levy on \$100, 72 cents; permanent school fund, \$10,744.90.

## TOWNS.

CHARLESTON, the county seat, has a population of about 2,500. It is located northwest of the central part of the county on the St. L., I. M. & S. Railroad. The town has two newspapers, two banks, one public school, one convent and a Baptist college. There are six churches and four fraternal orders. The town also has a flouring mill, ice plant and cob-pipe factory. The streets are well graded and the town is lighted by electricity. Other important towns in the county are:

|                    | Population. |
|--------------------|-------------|
| East Prairie ..... | 500         |
| Bertram .....      | 300         |
| Whiting .....      | 300         |
| Bird's Point ..... | 250         |
| Belmont .....      | 200         |

## MONITEAU COUNTY.

Population 17,500.

Railroads: Mo. Pac. and Branches.

Located in central portion of the State; 25 miles west of Jefferson City and 145 miles west of St. Louis. It has an area of 420 square miles, and surface is hilly and undulating; covered with forest to the extent of 25 per cent. Eighty per cent of the land is tillable. The soil is a black loam and very productive. The Missouri River flows along the northern border and many creeks flow through the county, affording good drainage. Rich pockets of coal are found in the county and some lead and zinc. Springs and good well water are found on every hand and fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 32 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....      | 16 bushels             | .55                   | 6.00                    |
| Oats .....       | 25 bushels             | .15                   | 5.00                    |
| Potatoes .....   | 150 bushels            | .30                   | 12.00                   |
| Timothy Hay..... | 1½ tons                | 7.00                  | 5.00                    |
| Clover Hay.....  | 2½ tons                | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |  |          |
|--------------------------------|---------|--|----------|
| Cattle, Hogs, head .....       | 43,576  | Poultry, Dressed Meat, Game,<br>pounds ..... | \$90,912 |
| Horses, Mules, head .....      | 1,400   | Walnut Logs, cars .....                      | 6        |
| Sheep, head .....              | 3,410   | Vegetables, Dried Fruit, pounds..            | 4,510    |
| Mixed Live Stock, cars .....   | 18      | Cord Wood, cords .....                       | 294      |
| Wheat, Oats, bushels .....     | 66,500  | Cannel Coal, tons .....                      | 300      |
| Flour, barrels .....           | 1,867   | Lime, barrels .....                          | 450      |
| Grass Seed, bushels .....      | 5,705   | Wool, pounds .....                           | 256      |
| Apples, barrels .....          | 769     | Cooperage, cars .....                        | 6        |
| Potatoes, bushels .....        | 183     | Feathers, pounds .....                       | 3,381    |
| Eggs, dozen .....              | 370,967 | Onions, bushels .....                        | 74       |
| Butter, pounds .....           | 46,329  | Cheese, pounds .....                         | 38,480   |
| Hides and Tallow, pounds ..... | 33,562  |  |          |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 258,150 | \$1,729,220 | \$ 6.69            |
| Town Lots.....               | 1,898   | 553,995     | .....              |
| Horses.....                  | 6,412   | 187,455     | 21.43              |
| Mules.....                   | 2,841   | 57,470      | 24.54              |
| Cattle.....                  | 11,898  | 123,016     | 10.75              |
| Sheep.....                   | 5,084   | 5,215       | 1.03               |
| Hogs.....                    | 23,811  | 51,574      | 2.17               |
| Money, bonds and notes.....  | .....   | 685,900     | .....              |
| Other personal property..... | .....   | 390,545     | .....              |
| Railroad property.....       | .....   | 510,559     | .....              |
| Telegraph property.....      | .....   | 8,207       | .....              |
| Total taxable wealth.....    | .....   | \$4,228,594 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 2,500; peach, 300; average price improved land, per acre, \$40; unimproved, \$10; average monthly wages farm labor, \$15; average weekly wages domestic help, \$1.75; average number farm hands in county, 400; average number months employed, 7; most profitable products, grain and fruit; number public schools, 84; number teachers, 102; number pupils, 5,148; average school tax levy on \$100, 52 cents; permanent county school fund, \$17,454.21.

## TOWNS.

CALIFORNIA, the county seat, is located on the Missouri Pacific Railroad, and has a population of 2,000. It has three newspapers, two banks, two schools, eight churches, five fraternal orders, two flouring mills, one woolen mill, is lighted with electricity and has macadamized streets. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Tipton .....     | 1,600       |
| Clarksburg ..... | 800         |
| Jamestown .....  | 500         |
| Latham .....     | 300         |
| High Point ..... | 300         |
| Enon .....       | 200         |

## MONROE COUNTY.

Population 22,400.

Railroads: M. K. &amp; T. and H. &amp; St. J.

Northeastern part of the State; 110 miles northwest of St. Louis; area, 644 square miles; surface mostly undulating prairie; about 20 per cent in timber; soil, sandy and light loam, very rich. Eighty per cent of the land is tillable. Salt River and its branches drain the county. There are many good wells and cisterns. Coal underlies most of the county. Limestone and valuable clays are also found in large quantities. Fuel is abundant and cheap. Coal retails at \$2 per ton and wood at \$2 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 35 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....       | 12 bushels             | .60                   | 6.00                    |
| Oats .....        | 25 bushels             | .15                   | 5.00                    |
| Potatoes .....    | 150 bushels            | .20                   | 15.00                   |
| Timothy Seed..... | 8 bushels              | 1.75                  | 5.00                    |
| Timothy Hay.....  | 2 tons                 | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle, head .....           | 11,728  | Building Brick, cars .....  | 4       |
| Hogs, head .....             | 54,001  | Lumber, feet .....          | 72,000  |
| Horses and Mules, head ..... | 1,724   | Logs, cars .....            | 19      |
| Sheep, head .....            | 10,890  | Cross Ties .....            | 58,468  |
| Mixed Live Stock, cars ..... | 20      | Cord Wood, cords .....      | 1,638   |
| Wheat, bushels .....         | 1,560   | Coal, tons .....            | 20      |
| Corn, bushels .....          | 12,000  | Wool, pounds .....          | 128,563 |
| Oats, bushels .....          | 3,750   | Feathers, pounds .....      | 10,177  |
| Hay, bales .....             | 27,960  | Furs, pounds .....          | 341     |
| Flour, barrels .....         | 2,135   | Dried Fruit, pounds .....   | 80      |
| Apples, barrels .....        | 16      | Honey, pounds .....         | 48      |
| Tobacco, pounds .....        | 5,502   | Molasses, gallons .....     | 40      |
| Eggs, dozen .....            | 429,332 | Cheese, pounds .....        | 30      |
| Butter, pounds .....         | 12,932  | Nursery Stock, pounds ..... | 3,560   |
| Poultry, pounds .....        | 628,126 | Castor Beans pounds .....   | 357     |
| Dressed Meat, pounds .....   | 10,490  | Pop Corn, bushels .....     | 23      |
| Game, pounds .....           | 828     | Ship Stuff, pounds .....    | 336,800 |
| Hides, pounds .....          | 49,999  | Clover Seed, bushels .....  | 6       |
| Pelts, pounds .....          | 1,360   | Timothy Seed, bushels ..... | 96      |
| Tallow, pounds .....         | 17,175  | Corn Meal, pounds .....     | 10,392  |
| Small Fruit, crates .....    | 2       | Bran, pounds .....          | 20,470  |



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 420,873 | \$3,391,080 | \$ 8.05            |
| Town Lots.....               | 2,531   | 629,790     | .....              |
| Horses .....                 | 11,290  | 258,145     | 22.88              |
| Mules .....                  | 3,970   | 91,311      | 22.99              |
| Cattle .....                 | 17,328  | 254,120     | 16.41              |
| Sheep.....                   | 16,769  | 17,970      | 1.07               |
| Hogs.....                    | 25,601  | 59,630      | 2.32               |
| Money, bonds and notes.....  | .....   | 841,605     | .....              |
| Other personal property..... | .....   | 579,015     | .....              |
| Railroad property.....       | .....   | 634,497     | .....              |
| Telegraph property.....      | .....   | 8,368       | .....              |
| Total taxable wealth.....    | .....   | \$6,765,531 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 2,000; small fruits, 200; average value improved land, per acre, \$30; unimproved, \$10; average monthly wages farm labor, summer, \$18; winter, \$12; average weekly wages, domestic help, \$1.50; average number farm hands in county, 400; average number months employed during year, 6; most profitable products, corn, hay and stock; number public schools, 109; number teachers, 129; number pupils, 6,749; average school tax levy on \$100, 35 cents; permanent school fund, \$94,938.07.

## TOWNS.

PARIS, is the county seat; population, 2,000; centrally located on the M., K. & T. Railroad. It has two newspapers, two banks, one public school, four churches and four fraternal orders. There are also one flouring mill, a woolen mill, and two cigar factories. Streets well macadamized. Machine shop, wagon factory and pottery are desired. Other towns in the county are:

|                   | Population. |
|-------------------|-------------|
| Monroe City ..... | 2,000       |
| Madison .....     | 600         |
| Holliday .....    | 300         |
| Stoutsville ..... | 300         |
| Santa Fe .....    | 200         |
| Florida .....     | 150         |

## MONTGOMERY COUNTY.

Population 18,500.

Railroads: Wabash and M. K. &amp; T.

Located in the central eastern portion of the State; 70 miles west of St. Louis, with an area of 546 square miles. The surface is hilly near the Missouri River and gently undulating elsewhere. The soil is a black loam and a red clay and very fertile. Timber covers 25 per cent of the county and 80 per cent of the land is tillable. The streams of the county are Loutre, South Fork of Cuivre River and numerous small creeks, furnishing excellent drainage. Coal, iron and marble are found, but mined only for local use. Fuel is abundant and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 31 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....       | 15 bushels             | .55                   | 6.00                    |
| Oats .....        | 20 bushels             | .14                   | 4.75                    |
| Potatoes .....    | 150 bushels            | .20                   | 14.00                   |
| Timothy Seed..... | 3 bushels              | 1.75                  | 5.00                    |
| Timothy Hay.....  | 1½ tons                | 5.50                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                               |         |  |           |
|-------------------------------|---------|--|-----------|
| Cattle and Hogs, head .....   | 45,277  | Wool, pounds .....                           | 35,941    |
| Horses and Mules, head .....  | 1,090   | Cooperage, cars .....                        | 27        |
| Sheep, head .....             | 5,131   | Feathers, pounds .....                       | 24,873    |
| Mixed Live Stock, cars .....  | 69      | Furs, pounds .....                           | 1,190     |
| Wheat and Corn, bushels ..... | 96,000  | Onions, bushels .....                        | 616       |
| Oats, bushels .....           | 55,500  | Molasses, gallons .....                      | 2,310     |
| Hay, bales .....              | 16,310  | Cheese, pounds .....                         | 1,601     |
| Flax Seed, bushels .....      | 1,000   | Cider, gallons .....                         | 1,366     |
| Flour, barrels .....          | 2,182   | Poultry and Game, pounds .....               | 1,628,824 |
| Apples, barrels .....         | 917     | Dressed Meat, pounds .....                   | 803       |
| Potatoes, bushels .....       | 150     | Lard, Hides and Tallow, lbs. ..              | 92,968    |
| Tobacco, pounds .....         | 113,420 | Walnut Logs and Piling, cars ..              | 23        |
| Eggs, dozen .....             | 688,330 | Vegetables and Dried Fruits,<br>pounds ..... | 23,230    |
| Butter, pounds .....          | 117,693 | Honey and Beeswax, pounds ...                | 3,500     |
| Small Fruit, C. and B. ....   | 6,067   | Canned Goods, pounds .....                   | 744       |
| Fire Brick, cars .....        | 51      | Nuts, bushels .....                          | 665       |
| Lumber, feet .....            | 90,000  | Ship Stuff, pounds .....                     | 41,000    |
| Cross Ties .....              | 35,295  | Grass Seed, bushels .....                    | 2,075     |
| Coal, tons .....              | 100     | Corn Meal, pounds .....                      | 2,010     |
| Stone, cars .....             | 5       |  |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 321,022 | \$2,250,737 | \$ 7.01            |
| Town Lots.....               | 3,950   | 598,332     | .....              |
| Horses.....                  | 7,197   | 181,541     | 25.23              |
| Mules.....                   | 2,245   | 55,709      | 25.25              |
| Cattle.....                  | 11,378  | 116,182     | 10.21              |
| Sheep.....                   | 6,453   | 9,298       | 1.43               |
| Hogs.....                    | 21,215  | 51,447      | 2.42               |
| Money, bonds and notes.....  | .....   | 621,580     | .....              |
| Other personal property..... | .....   | 341,248     | .....              |
| Railroad property.....       | .....   | 533,280     | .....              |
| Telegraph property.....      | .....   | 9,380       | .....              |
| Total taxable wealth.....    | .....   | \$4,816,388 | .....              |

## GENERAL STATISTICS.

Average size of farms, 90 acres; average fruit acreage, apple, 1,000; small fruit, 200; average price of improved land, per acre, \$40; unimproved, \$10; average monthly wages farm labor, summer, \$15; winter, \$12; average weekly wages, domestic help, \$1.50; average number farm laborers in the county, 300; average number months employed during the year, 6; most profitable products, corn, wheat and stock; number public schools, 87; number teachers, 120; number pupils, 5,436; average school tax levy on \$100, 50 cents; permanent county school fund, \$11,364.11.

## TOWNS.

DANVILLE, the county seat, is near the Wabash Railway; and has a population of 400. It has one public school and two churches.

MONTGOMERY CITY is the leading town of the county and has a population of 2,500. It is on the Wabash Railway, has three newspapers, two banks, public school, several churches and fraternal orders and is a prosperous, thriving city. Other towns are:

|                    | Population. |
|--------------------|-------------|
| Wellsville .....   | 2,000       |
| New Florence ..... | 1,200       |
| Jonesburg .....    | 900         |
| Middletown .....   | 700         |
| Mineola .....      | 200         |
| Rhineland .....    | 200         |

## MORGAN COUNTY.

Population 14,000.

Railroads: Mo. Pac.

Nearly the center of the State; 35 miles southwest of Jefferson City; area 638 square miles; surface, in the north part, rolling prairie, fertile and well watered; the southern portion of the county is hilly and covered with timber. About 70 per cent of the land is tillable. The county is drained by the Osage River, Buffalo, Flat, Richland and Moreau Creeks. Coal is found in pockets, in the southern part of the county, some veins running over 100 feet in depth. There is much sandstone and limestone. Fine clays are found and lead and zinc are mined in small quantities. Fuel, both wood and coal, is plentiful and exceedingly cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 28 bushels             | \$0.25                | \$ 5.50                 |
| Wheat .....       | 13 bushels             | .60                   | 5.00                    |
| Oats .....        | 15 bushels             | .80                   | 4.50                    |
| Potatoes.....     | 80 bushels             | .40                   | 11.00                   |
| Timothy Hay.....  | 2 tons                 | 7.00                  | 4.00                    |
| Clover Hay .....  | 2½ tons                | 6.50                  | 4.50                    |
| Prairie Hay. .... | 1½ tons                | 5.00                  | 3.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                           |        |
|------------------------------|---------|---------------------------|--------|
| Cattle and Hogs, head .....  | 12,645  | Game, pounds .....        | 7,827  |
| Sheep, head .....            | 1,620   | Hides, pounds .....       | 21,142 |
| Mixed Live Stock, cars ..... | 8       | Tallow, pounds .....      | 4,886  |
| Wheat, bushels .....         | 15,500  | Cross Ties .....          | 15,566 |
| Corn and Oats, bushels ..... | 9,920   | Cord Wood, cords .....    | 35     |
| Flax Seed, bushels .....     | 500     | Coal, tons .....          | 1,160  |
| Flour, barrels .....         | 300     | Clay, cars .....          | 2      |
| Clover Seed, bushels .....   | 1,230   | Wool, pounds .....        | 759    |
| Potatoes, bushels .....      | 60      | Cooperage, cars .....     | 1      |
| Eggs, dozen .....            | 60,296  | Feathers, pounds .....    | 300    |
| Butter, pounds .....         | 2,193   | Furs, pounds .....        | 116    |
| Poultry, pounds .....        | 112,806 | Vegetables, pounds .....  | 50,470 |
| Dressed Meat, pounds .....   | 410     | Dried Fruit, pounds ..... | 1,000  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 380,688 | \$1,524,800 | \$ 4.00            |
| Town Lots.....               | 847     | 157,770     | .....              |
| Horses .....                 | 4,908   | 104,931     | 21.40              |
| Mules .....                  | 2,380   | 54,198      | 22.98              |
| Cattle .....                 | 12,708  | 148,198     | 11.50              |
| Sheep .....                  | 6,591   | 7,145       | 1.08               |
| Hogs .....                   | 16,385  | 32,830      | 2.00               |
| Money, bonds and notes.....  | .....   | 288,491     | .....              |
| Other personal property..... | .....   | 138,217     | .....              |
| Railroad property.....       | .....   | 202,069     | .....              |
| Telegraph property.....      | .....   | 8,566       | .....              |
| Total taxable wealth.....    | .....   | \$2,680,241 | .....              |

## .GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit acreage, small; average value improved land, per acre, \$20; unimproved, \$2.50; average monthly wages farm labor, summer, \$14; winter, \$10; average weekly wages, domestic help, \$1.75; average number farm hands in county, 800; average number months employed during year, 7; most profitable products, corn, hay and stock; number public schools, 75; number teachers, 86; number pupils, 4,481; average school tax levy on \$100, 24 cents; permanent school fund, \$8,654.29.

## TOWNS.

VERSAILLES, the county seat, has a population of about 1,500. It is located centrally at the terminus of the Boonville branch of the Missouri Pacific Railway. There are two newspapers, two banks, two public schools, six churches and four fraternal orders. The town has a flouring mill and pottery. Good opening for several other manufacturing concerns. Streets are graveled and the town is supplied with artesian water. Other towns are:

|                | Population. |
|----------------|-------------|
| Syracuse ..... | 200         |
| Proctor .....  | 150         |
| Florence ..... | 100         |

## NEW MADRID COUNTY.

Population 11,000.

Railroads: St. L. S. W.

Located on the Mississippi River near the southern line of the State, with an area of 620 square miles. The surface generally is low and level and the soil a black sandy loam, very rich and productive. Timber covers the land to the extent of 60 per cent, while the most of

it is tillable. Transportation, irrigation and drainage are afforded by the Mississippi River on the eastern boundary and numerous small streams flow through the county. The county exports a large amount of lumber annually and the cleared land is being rapidly turned to agricultural use.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 28 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....       | 12 bushels             | .45                   | 5.25                    |
| Potatoes .....    | 100 bushels            | .20                   | 14.00                   |
| Cotton Seed ..... | 1000 pounds            | 2.40 per cwt.         | 12.00                   |

### SURPLUS PRODUCTS SHIPPED.

|                             |         |                           |           |
|-----------------------------|---------|---------------------------|-----------|
| Cattle, head .....          | 2,591   | Game, pounds .....        | 72,030    |
| Hogs, head .....            | 1,721   | Fish, pounds .....        | 40,155    |
| Horses and Mules head ..... | 1       | Hides, pounds .....       | 6,405     |
| Sheep, head .....           | 7       | Tallow, pounds .....      | 800       |
| Wheat, bushels .....        | 5,000   | Small Fruit, crates ..... | 15        |
| Corn, bushels .....         | 237,000 | Lumber, feet .....        | 6,012,000 |
| Hay, bales .....            | 233     | Wool, pounds .....        | 2,950     |
| Flour, barrels .....        | 150     | Cotton Seed, pounds ..... | 541,000   |
| Eggs, dozen .....           | 12,050  | Cotton, bales .....       | 801       |
| Poultry, pounds .....       | 19,350  | Vegetables, pounds .....  | 62,444    |
| Dressed Meat, pounds .....  | 235     | Beeswax, pounds .....     | 400       |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres.....             | 368,801 | \$1,141,502 | \$ 3.09               |
| Town Lots .....               | 435     | 111,795     | .....                 |
| Horses .....                  | 1,935   | 48,010      | 24.18                 |
| Mules .....                   | 2,150   | 53,940      | 24.84                 |
| Cattle .....                  | 6,670   | 41,189      | 6.17                  |
| Sheep .....                   | 534     | 645         | 1.20                  |
| Hogs .....                    | 15,366  | 28,870      | 1.74                  |
| Money, bonds and notes .....  | .....   | 47,112      | .....                 |
| Other personal property ..... | .....   | 108,043     | .....                 |
| Railroad property .....       | .....   | 330,636     | .....                 |
| Telegraph property .....      | .....   | 6,480       | .....                 |
| Total taxable wealth.....     | .....   | \$1,915,905 | .....                 |

### GENERAL STATISTICS.

Average size of farms, 160 acres; average fruit acreage, apple, 500; peach, 200; small fruits, 125; average price of improved land, per acre, \$25; unimproved, \$5; average monthly wages farm laborers, summer, \$15; winter, \$15; average weekly wages, domestic help, \$1.50.

average number farm hands employed in county, 400; average number months employed during year, 6; most profitable products, corn, wheat and cotton; number public schools, 39; number teachers, 43; number pupils, 3,331; average school tax levy on \$100, none; permanent county school fund, \$25,821.39.

### TOWNS.

NEW MADRID, the county seat, is located on the Cotton Belt Railway and has a population of 1,200. It has two newspapers, two banks, two public schools, three churches, three fraternal orders and is an important lumber market. Other towns in the county are:

|                      | Population. |
|----------------------|-------------|
| Point Pleasant ..... | 600         |
| Morehouse .....      | 600         |
| Portageville .....   | 150         |
| La Forge .....       | 60          |

### NEWTON COUNTY.

Population 24,750.

Railroads: K. C. P. & G. and St. L. & S. F.

Southwest Missouri, bordering on Kansas line and second county from the Arkansas line; 155 miles south of Kansas City; area, 648 square miles; surface gently undulating, about one-half prairie, balance in timber of the usual South Missouri varieties. The soil is very fertile. Natural grasses are abundant. Indian, Shoal, Hickory and Buffalo Creeks flow through the county and there are many excellent springs and wells. Limestone and sandstone are abundant. Coal, lead and zinc are mined in large quantities. Seventy-five per cent of the land in the county is tillable. Fuel, both coal and wood, is abundant and cheap.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 28 bushels             | \$0.22                | \$ 5.50                 |
| Wheat .....       | 10 bushels             | .55                   | 5.25                    |
| Oats .....        | 15 bushels             | .15                   | 4.25                    |
| Flax .....        | 11 bushels             | .80                   | 5.25                    |
| Potatoes .....    | 100 bushels            | .80                   | 15.00                   |
| Timothy Hay ..... | 1½ tons                | 6.00                  | 5.00                    |
| Clover Hay .....  | 2 tons                 | 5.50                  | 6.25                    |
| Prairie Hay ..... | 1 ton                  | 5.00                  | 3.75                    |

## SURPLUS PRODUCTS SHIPPED.

|                                 |         |                             |           |
|---------------------------------|---------|-----------------------------|-----------|
| Cattle, Hogs, Sheep, head ..... | 7,610   | Cross Ties .....            | 6,878     |
| Horses and Mules, head .....    | 123     | Cord Wood, cords .....      | 203       |
| Mixed Live Stock, cars .....    | 25      | Lead Ore, tons .....        | 2,740     |
| Wheat and Corn, bushels .....   | 123,500 | Zinc Ore, tons .....        | 5,580     |
| Hay, bales .....                | 4,194   | Pig Lead, tons .....        | 520       |
| Flax Seed, bushels .....        | 6,000   | Stone, cars .....           | 12        |
| Flour, barrels .....            | 66,996  | Sand, cars .....            | 1         |
| Apples, barrels .....           | 185     | Tripoli, pounds .....       | 2,780,000 |
| Potatoes, bushels .....         | 1,668   | Wool, pounds .....          | 17,994    |
| Melons, barrels .....           | 14      | Ship Stuff, pounds .....    | 235,920   |
| Tobacco, pounds .....           | 5,610   | Grass Seed, bushels .....   | 12,878    |
| Eggs, dozen .....               | 409,810 | Feathers, pounds .....      | 947       |
| Butter, pounds .....            | 5,751   | Vegetables, pounds .....    | 13,920    |
| Poultry and Game, pounds .....  | 200,515 | Dried Fruit, pounds .....   | 7,409     |
| Dressed Meat, pounds .....      | 100     | Onions, bushels .....       | 1,615     |
| Fish, pounds .....              | 500     | Wine, gallons .....         | 20        |
| Hides and Tallow, pounds .....  | 104,488 | Nursery Stock, pounds ..... | 353       |
| Small fruit, C. and B. ....     | 1,309   | Canned Goods, pounds .....  | 105,388   |
| Building Brick, cars .....      | 9       | Beeswax, pounds .....       | 420       |
| Lumber, feet .....              | 117,000 | Strawberries, crates .....  | 179       |
| Logs, cars .....                | 3       |                             |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 401,500 | \$2,758,808 | \$ 6.86            |
| Town Lots.....               | 5,288   | 620,700     |                    |
| Horses .....                 | 10,206  | 232,909     | 22.81              |
| Mules .....                  | 2,222   | 58,985      | 26.53              |
| Cattle .....                 | 11,826  | 112,925     | 9.54               |
| Sheep .....                  | 1,184   | 1,590       | 1.33               |
| Hogs .....                   | 17,434  | 38,675      | 1.92               |
| Money, bonds and notes.....  |         | 801,962     |                    |
| Other personal property..... |         | 354,218     |                    |
| Railroad property.....       |         | 625,871     |                    |
| Telegraph property.....      |         | 6,471       |                    |
| Total taxable wealth.....    |         | \$4,962,754 |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 5,000; peach, 1,000; small fruits, 700; average value improved land, per acre, \$25; unimproved, \$9; average monthly wages farm labor, summer, \$13; winter, \$12; average weekly wages, domestic help, \$1.50, average number farm hands employed in county, 350; average number months employed during year, 6; most profitable products, fruit and stock; number public schools, 101; number teachers, 148; number pupils, 8,482; average school tax levy on \$100, 57 cents; permanent school fund, \$22,932.88.



## TOWNS.

NEOSHO, the county seat, has a population of 3,000. It is located on the K. C., P. & G. Railroad and conveniently near the Frisco. It has two newspapers, three banks, one high school and three ward schools; also, Scarrett Collegiate Institute. There are ten churches and ten fraternal orders. The town has a system of water works operated by a corporation, three wagon factories, plow factory, sash and door factory, foundry and machine shop, a woolen mill and canning factory. The streets are graded and graveled. Other important towns in the county are:

|                  | Population. |
|------------------|-------------|
| Granby .....     | 1,500       |
| Seneca .....     | 1,200       |
| Newtonia .....   | 400         |
| Blendville ..... | 200         |
| Ritchey .....    | 200         |
| Diamond .....    | 100         |
| Wentworth .....  | 100         |
| Stella .....     | 75          |

## NODAWAY COUNTY.

Population 32,000.

Railroads: C. & G. W., O. & St. L. and K. C. St. J. & C. B.

Located in the northern tier of counties, the second from the western border. It has an area of 648 square miles and is mostly rolling prairie, 90 per cent of the surface being tillable. The streams are skirted with timber of the varieties of oak, walnut, elm and hickory. The soil is a black loam, very fertile. Platte River and the One Hundred and Two River run through the county from north to south and furnish excellent drainage. Some coal is mined, but not enough to supply the local demand. Limestone for building purposes is also found in some localities. Good water is abundant and fuel cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.16                | \$ 6.00                 |
| Wheat .....        | 17 bushels             | .55                   | 6.00                    |
| Oats .....         | 25 bushels             | .14                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .15                   | 14.00                   |
| Timothy Seed ..... | 4 bushels              | 2.00                  | 5.00                    |
| Timothy Hay .....  | 2½ tons                | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                             |         |
|------------------------------|-----------|-----------------------------|---------|
| Cattle, head .....           | 40,500    | Building Brick, cars .....  | 2       |
| Hogs, head .....             | 96,000    | Lumber, feet .....          | 99,000  |
| Horses and Mules, head ..... | 2,460     | Walnut Logs, cars .....     | 6       |
| Sheep, head .....            | 1,890     | Cord Wood, cords .....      | 238     |
| Mixed Live Stock, cars ..... | 41        | Sand, cars .....            | 42      |
| Wheat, bushels .....         | 101,000   | Wool, pounds .....          | 6,638   |
| Corn, bushels .....          | 1,250,000 | Cooperage, cars .....       | 3       |
| Oats, bushels .....          | 24,000    | Feathers, pounds .....      | 10,653  |
| Mixed Grain, cars .....      | 3         | Furs, pounds .....          | 300     |
| Hay, bales .....             | 30,756    | Vegetables, pounds .....    | 300     |
| Flax Seed, bushels .....     | 41        | Dried Fruit, pounds .....   | 2,015   |
| Flour, barrels .....         | 1,636     | Honey, pounds .....         | 9,786   |
| Apples, barrels .....        | 46,679    | Onions, bushels .....       | 35      |
| Potatoes, bushels .....      | 41,193    | Molasses, gallons .....     | 1,084   |
| Eggs, dozen .....            | 412,012   | Cheese, pounds .....        | 30,461  |
| Butter, pounds .....         | 97,823    | Nursery Stock, pounds ..... | 51,825  |
| Poultry, pounds .....        | 3,433,533 | Canned Goods, pounds .....  | 426,000 |
| Dressed Meat, pounds .....   | 980       | Castor Beans, pounds .....  | 420     |
| Game, pounds .....           | 250       | Beeswax, pounds .....       | 135     |
| Fish, pounds .....           | 100       | Milk, gallons .....         | 5,300   |
| Hides, pounds .....          | 506,708   | Grass Seed, bushels .....   | 1,900   |
| Tallow, pounds .....         | 192,490   | Rye, bushels .....          | 14,400  |
| Small Fruit, crates .....    | 32        | Corn Meal, pounds .....     | 1,000   |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.       | Average Valuation. |
|-------------------------------|---------|--------------|--------------------|
| Lands, acres.....             | 546,399 | \$6,043,878  | \$11.06            |
| Town Lots.....                | 6,632   | 999,456      |                    |
| Horses .....                  | 21,316  | 474,128      | 22.24              |
| Mules .....                   | 2,817   | 66,806       | 23.70              |
| Cattle .....                  | 87,432  | 582,958      | 14.18              |
| Sheep .....                   | 2,250   | 2,442        | 1.08               |
| Hogs .....                    | 58,186  | 172,498      | 8.24               |
| Money, bonds and notes .....  |         | 995,248      |                    |
| Other personal property ..... |         | 550,160      |                    |
| Railroad property .....       |         | 999,995      |                    |
| Telegraph property .....      |         | 15,866       |                    |
| Total taxable wealth .....    |         | \$10,891,850 |                    |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 2,000; peach, 100; small fruits, 200; average price improved land, per acre, \$40; unimproved, \$15; average monthly wages farm laborers, summer, \$17; winter, \$12; average weekly wages, domestic help, \$1.75; average number farm hands employed in county, 800; average number months employed during year, 7; most profitable products, grain and stock; number public schools, 184; number teachers, 230; number pupils, 10,595; average school tax levy on \$100, 56 cents; permanent county school fund, \$101,242.

## CITIES AND TOWNS.

MARYVILLE, the county seat, is located on the Omaha & St. Louis and the Kansas City, St. Joseph & Council Bluffs Railroads and has a population of 5,000. It has six newspapers, eight churches, ten fraternal orders, two flouring mills, one basket factory, is lighted by electricity and has a system of water works. The streets are graded and in good condition. The people would welcome any live manufacturing enterprise. Other towns of the county are:

|                           | Population. |
|---------------------------|-------------|
| Hopkins .....             | 1,200       |
| Barnard .....             | 700         |
| Burlington Junction ..... | 700         |
| Pickering .....           | 400         |
| Elmo .....                | 500         |
| Clyde .....               | 400         |
| Parnell .....             | 400         |
| Ravenwood .....           | 350         |
| Quitman .....             | 300         |

## OREGON COUNTY.

Population 18,000.

Railroads: K. C., Ft. S. & M.

Southern Missouri, bordering on Arkansas; 160 miles southwest of St. Louis; area, 780 square miles; surface, undulating and a large portion in timber; soil, a light clay loam, with clay and gravel subsoil, fairly productive and very fertile along the streams. The county being on the south slope of the Ozarks, is drained by many small streams. There are also many large and small springs in the county. About 70 per cent of the land is tillable. There is plenty of stone for building purposes, and superior clay for brick making. Iron and lead have been discovered.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                  | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....       | 28 bushels             | \$0.25                | \$ 5.75                 |
|       | Wheat .....      | 9 bushels              | .55                   | 5.50                    |
|       | Oats .....       | 25 bushels             | .30                   | 5.00                    |
|       | Potatoes .....   | 90 bushels             | .75                   | 16.00                   |
|       | Timothy Hay ...  | 1½ tons                | 8.00                  | 7.00                    |
|       | Clover Hay ..... | 1½ tons                | 7.50                  | 7.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |       |                            |         |
|------------------------------|-------|----------------------------|---------|
| Cattle, head .....           | 2,950 | Peaches, baskets .....     | 4,000   |
| Hogs, head .....             | 3,800 | Eggs, dozen .....          | 23,170  |
| Horses and Mules, head ..... | 480   | Poultry, pounds .....      | 1,395   |
| Sheep, head .....            | 594   | Small Fruit, C. & B. ....  | 200     |
| Wheat, bushels .....         | 500   | Lumber, feet .....         | 639,000 |
| Flour, barrels .....         | 300   | Cord Wood, cords .....     | 154     |
| Apples, barrels .....        | 600   | Building Brick, cars ..... | 2       |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 443,206 | \$1,241,385 | \$ 2.80            |
| Town Lots .....               | 1,273   | 167,622     | .....              |
| Horses .....                  | 3,615   | 79,240      | 21.91              |
| Mules .....                   | 1,343   | 28,773      | 25.14              |
| Oattle .....                  | 8,873   | 55,854      | 5.12               |
| Sheep .....                   | 4,784   | 4,782       | 1.00               |
| Hogs .....                    | 21,888  | 31,631      | 1.43               |
| Money, bonds and notes .....  | .....   | 54,809      | .....              |
| Other personal property ..... | .....   | 125,222     | .....              |
| Railroad property .....       | .....   | 189,558     | .....              |
| Telegraph property .....      | .....   | 3,870       | .....              |
| Total taxable wealth .....    | .....   | \$1,975,202 | .....              |

## GENERAL STATISTICS.

Average size farms, 120 acres; average fruit acreage, apple, 2,400; peach, 3,000; small fruits, 200; average value improved land, per acre, \$15; unimproved, \$2.50; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic labor, \$1.25; average number farm hands in county, 200; average number months employed during year, 6; most profitable products, fruit and stock; number public schools, 56; number teachers, 68; number pupils, 4,576; average school tax levy on \$100, 49 cents; permanent school fund, \$2,350.74.

## TOWNS.

ALTON, the county seat, is located near the center of the county, about 15 miles from the K. C., Ft. S. & M. Railroad. The population is about 650. It has one newspaper, one bank, one public school, two churches, two fraternal orders, a flouring mill and carding mill. A railroad would be welcomed by the citizens. Other towns are:

|                   | Population. |
|-------------------|-------------|
| Thayer .....      | 1,500       |
| Kashkonong .....  | 200         |
| Thomasville ..... | 200         |
| Myrtle .....      | 75          |

## OSAGE COUNTY.

Population 18,000.

Railroads: Mo. Pac.

Located in the east central part of the State; 15 miles east of Jefferson City, its northern border washed by the Missouri River. It has an area of 586 square miles, with 65 per cent of the surface covered with timber. The surface is very uneven, except along the river, where the soil is a black sandy loam, very productive. The Gasconade River flows through the county and the Osage along the western border. Some lead and zinc have been discovered, but mining has never been conducted for profit. Springs are plentiful, wells are easily obtained and fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 26 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....       | 10 bushels             | .55                   | 5.25                    |
| Oats .....        | 28 bushels             | .20                   | 4.50                    |
| Potatoes .....    | 150 bushels            | .30                   | 12.00                   |
| Clover Seed ..... | 2½ bushels             | 3.50                  | 5.00                    |
| Clover Hay .....  | 2 tons                 | 4.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                           |        |
|--------------------------------|---------|---------------------------|--------|
| Cattle and Hogs, head .....    | 10,503  | Dried Fruit, pounds ..... | 27,173 |
| Horses and Mules, head .....   | 40      | Cross Ties .....          | 19,729 |
| Sheep, head .....              | 810     | Cord Wood, cords .....    | 119    |
| Wheat and Corn, bushels .....  | 80,000  | Corn Cobs, cars .....     | 21     |
| Hay, bales .....               | 466     | Wool, pounds .....        | 30     |
| Flour, barrels .....           | 8,265   | Tobacco, pounds .....     | 530    |
| Apples, barrels .....          | 214     | Cooperage, cars .....     | 17     |
| Eggs, dozen .....              | 123,553 | Feathers, pounds .....    | 496    |
| Butter, pounds .....           | 3,331   | Vegetables, pounds .....  | 3,636  |
| Poultry and Game, pounds ..... | 124,240 | Grass Seed, bushels ..... | 4,790  |
| Dressed Meat, pounds .....     | 4,770   | Bran, pounds .....        | 14,700 |
| Hides and Tallow, pounds ..... | 42,604  |                           |        |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 387,642 | \$1,627,540 | \$ 4.32            |
| Town Lots.....               | 1,863   | 209,430     |                    |
| Horses.....                  | 8,717   | 79,330      | 21.34              |
| Mules.....                   | 8,234   | 73,256      | 22.80              |
| Cattle.....                  | 11,523  | 101,322     | 8.84               |
| Sheep.....                   | 6,921   | 8,366       | 1.00               |
| Hogs.....                    | 23,501  | 43,440      | 2.06               |
| Money, bonds and notes.....  |         | 716,523     |                    |
| Other personal property..... |         | 132,134     |                    |
| Railroad property.....       |         | 445,885     |                    |
| Telegraph property.....      |         | 11,842      |                    |
| Total taxable wealth.....    |         | \$3,508,357 |                    |

## GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit-acreage, apple, 1,300; peach, 700; small fruits, 100; average value improved land, per acre, \$25; unimproved, \$8; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic labor, \$1.75; average number farm hands in county, 250; average number months employed, 8; most profitable products, corn, stock, hay; number public schools, 73; number teachers, 100; number pupils, 4,750; average school tax levy on \$100, 31 cents; permanent county school fund, \$21,665.11.

## TOWNS.

LINN, the county seat, is located near the center of the county, but has no railroad: It has a population of 450, one bank, one public school, two churches, two fraternal orders, one flouring mill and good graded streets. Other towns are:

|                     |       |
|---------------------|-------|
| Chamois .....       | 1,100 |
| Westphalia .....    | 450   |
| Bonnot's Mill ..... | 150   |
| Rich Fountain ..... | 150   |

## OZARK COUNTY.

Population 12,000.

(No railroads.)

Located in the central part of the southern tier of counties on the crest of the Ozark range of mountains. It is hilly and uneven, and 75 per cent of the surface is covered with timber. The county is traversed by numerous streams, along which are found rich bottom lands.

The county is rich in minerals, but has not been developed. The vast forests furnish employment for a number of saw mills and a large number of workmen. Fuel is cheap.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn .....       | 25 bushels             | \$0.25                | \$ 5.50                 |
| Wheat .....      | 15 bushels             | .55                   | 5.50                    |
| Oats .....       | 25 bushels             | .20                   | 4.75                    |
| Potatoes .....   | 100 bushels            | .30                   | 14.00                   |
| Timothy Hay..... | 1½ tons                | 10.00                 | 5.00                    |
| Clover Hay.....  | 2 tons                 | 7.00                  | 5.00                    |
| Cotton .....     | 200 pounds             | .07                   | 15.00                   |

### SURPLUS PRODUCTS SHIPPED.

|                              |         |                       |       |
|------------------------------|---------|-----------------------|-------|
| Cattle, head .....           | 1,875   | Tallow, pounds .....  | 1,000 |
| Hogs, head .....             | 3,500   | Cross Ties .....      | 4,497 |
| Horses and Mules, head ..... | 102     | Piling, cars .....    | 37    |
| Sheep, head .....            | 253     | Posts, cars .....     | 55    |
| Eggs, dozen .....            | 210,000 | Wool, pounds .....    | 2,500 |
| Poultry, pounds .....        | 8,000   | Beeswax, pounds ..... | 300   |
| Game, pounds .....           | 2,750   |                       |       |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.    | Average<br>Valuation. |
|-------------------------------|---------|-----------|-----------------------|
| Lands, acres.....             | 228,991 | \$610,237 | \$ 2.72               |
| Town Lots .....               | 100     | 12,464    |                       |
| Horses .....                  | 4,883   | 98,154    | 22.65                 |
| Mules .....                   | 1,365   | 33,373    | 23.92                 |
| Cattle .....                  | 13,629  | 107,888   | 7.91                  |
| Sheep .....                   | 4,513   | 5,022     | 1.11                  |
| Hogs .....                    | 15,579  | 25,154    | 1.61                  |
| Money, bonds and notes.....   |         | 35,825    |                       |
| Other personal property ..... |         | 99,175    |                       |
| Railroad property.....        |         |           |                       |
| Telegraph property.....       |         |           |                       |
| Total taxable wealth .....    |         |           |                       |

### GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 3,000; peach, 500; small fruits, 100; average value improved land, per acre, \$15; unimproved, \$3; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands, 150; average number months employed, 6; most profitable product, stock raising; number public schools, 69; number teachers, 79; number pupils, 4,779; average school tax levy on \$100, 54 cents; permanent county school fund, \$5,326.20.

## TOWNS.

GAINSVILLE, the county seat, has a population of 300. It is located near the center of the county and has one newspaper, one bank, one public school, two churches, one fraternal order, a shingle mill, a cotton gin and a distillery. Other towns in the county are:

|                   | Population. |
|-------------------|-------------|
| Bakersville ..... | 200         |
| Thornfield .....  | 50          |

## PEMISCOT COUNTY.

Population 7,500.

Railroads: St. L. K. & S.

Extreme southeast county of the State; 200 miles south of St. Louis; area, 480 square miles; surface, low and level; soil is a rich sandy loam, very productive. Seventy-five per cent of the land is tillable. Sixty per cent of the county is in timber; cypress, gum, oak and ash are the chief varieties, from which a large amount of lumber is manufactured and exported. The county is drained by the small tributaries and bayous of the Mississippi. There are many splendid wells. Fuel is abundant and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.          | Av. Yield per<br>acre.       | Av. Selling<br>Price. | Av. Cost<br>Production. |
|----------------|------------------------------|-----------------------|-------------------------|
| Corn .....     | 40 bushels                   | \$0.20                | \$ 6.50                 |
| Potatoes ..... | 150 bushels                  | .50                   | 14.00                   |
| Cotton .....   | 1400 pounds<br>(Seed Cotton) | .02½                  | 14.00                   |

## SURPLUS PRODUCTS SHIPPED.

|                              |        |                           |            |
|------------------------------|--------|---------------------------|------------|
| Cattle, head .....           | 2,425  | Furs, pounds .....        | 9,700      |
| Hogs, head .....             | 6,040  | Lumber, feet .....        | 21,807,000 |
| Horses and Mules, head ..... | 143    | Logs, cars .....          | 3,500      |
| Corn, bushels .....          | 44,300 | Potatoes, bushels .....   | 2,100      |
| Eggs, dozen .....            | 39,240 | Cotton Seed, pounds ..... | 4,127,000  |
| Poultry, pounds .....        | 31,550 | Cotton, bales .....       | 5,015      |
| Fish, pounds .....           | 59,500 | Cheese, pounds .....      | 50         |
| Hides, pounds .....          | 16,656 | Beeswax, pounds .....     | 1,600      |
| Tallow, pounds .....         | 1,500  | Peanuts, pounds .....     | 13,500     |



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.    | Average Valuation. |
|------------------------------|---------|-----------|--------------------|
| Lands, acres.....            | 295,689 | \$997,495 | \$ 3.37            |
| Town Lots.....               | 1,022   | 45,700    |                    |
| Horses.....                  | 1,817   | 47,552    | 26.17              |
| Mules.....                   | 1,433   | 28,220    | 26.39              |
| Cattle.....                  | 7,613   | 49,945    | 6.56               |
| Sheep.....                   | 461     | 510       | 1.10               |
| Hogs.....                    | 13,468  | 25,598    | 1.89               |
| Money, bonds and notes.....  |         | 61,900    |                    |
| Other personal property..... |         | 123,986   |                    |
| Railroad property.....       |         |           |                    |
| Telegraph property.....      |         |           |                    |
| Total taxable wealth.....    |         |           |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 320; peach, 300; average value improved land, per acre, \$35; unimproved, \$5; average monthly wages farm labor, summer, \$18; winter, \$18; average weekly wages, domestic help, \$2; average number farm hands in county, 100; average number months employed during year, 10; most profitable products, corn and stock; number public schools, 28; number teachers, 34; number pupils, 2,618; average school tax levy on \$100, 60 cents; permanent school fund, \$10,007.45.

## TOWNS.

GAYOSO, the county seat, is located in the eastern part of the county near the Mississippi River. The population of the town proper is small and will not exceed 300. It is without newspaper or banks, but has a public school, a church and one fraternal order. There are many saw mills in the vicinity, employing a large number of men.

CARUTHERSVILLE, terminus of the St. L. K. & S. Railroad, is the largest town in the county; population, 1,800. It has several mills and factories, newspaper, banks, schools, churches and fraternal orders. It also possesses the advantage of river transportation and is quite an important business point. Other towns are:

|                        | Population. |
|------------------------|-------------|
| Hayti .....            | 500         |
| Cottonwood Point ..... | 300         |

## PERRY COUNTY.

Population 14,500.

Railroads: C., P. &amp; F.

Located on the eastern border; 75 miles south of St. Louis. It has an area of 436 square miles. The surface is rolling, with a large area of table lands. The soil is of the limestone variety and very productive. Eighty-five per cent of the land is tillable, but 35 per cent is still in timber. The timber is mostly hardwood, such as oak, walnut, ash and hickory. The Mississippi River and numerous small streams furnish ample drainage. A trace of mineral is found, but not in paying quantities. Fuel is plentiful and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.25                | \$ 6.00                 |
| Wheat .....       | 15 bushels             | .55                   | 5.75                    |
| Potatoes .....    | 125 bushels            | .25                   | 14.00                   |
| Clover Seed ..... | 8 bushels              | 4.00                  | 5.00                    |
| Clover Hay.....   | 2 tons                 | 6.00                  |                         |
| Timothy Hay.....  | 2 tons                 | 7.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                 |         |                            |         |
|---------------------------------|---------|----------------------------|---------|
| Cattle, Hogs, Sheep, head ..... | 13,923  | Tallow, pounds .....       | 3,245   |
| Horses and Mules, head .....    | 26      | Lead Ore, tons .....       | 20      |
| Mixed Live Stock, cars .....    | 1       | Wool, pounds .....         | 18,602  |
| Wheat, bushels .....            | 105,000 | Feathers, pounds .....     | 150     |
| Flour, barrels .....            | 58,800  | Furs, pounds .....         | 472     |
| Mill Feed, pounds .....         | 582,500 | Vegetables, pounds .....   | 123,903 |
| Clover Seed, bushels .....      | 1,383   | Dried Fruit, pounds .....  | 46,200  |
| Eggs, dozen .....               | 290,100 | Honey, pounds .....        | 685     |
| Butter, pounds .....            | 66,494  | Onions, bushels .....      | 153     |
| Poultry, pounds .....           | 339,515 | Molasses, gallons .....    | 200     |
| Dressed Meat, pounds .....      | 3,100   | Cheese, pounds .....       | 15      |
| Game, pounds .....              | 50      | Castor Beans, pounds ..... | 2,500   |
| Hides, pounds .....             | 6,300   | Fruit, pounds .....        | 72,782  |
| Lard, pounds .....              | 8,892   |                            |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 206,972 | \$1,486,280 | \$ 4.96            |
| Town Lots.....               | 457     | 156,985     | .....              |
| Horses.....                  | 4,559   | 106,886     | 23.21              |
| Mules.....                   | 2,563   | 63,832      | 24.51              |
| Cattle.....                  | 8,491   | 64,778      | 7.63               |
| Sheep.....                   | 9,811   | 9,919       | 1.01               |
| Hogs.....                    | 27,820  | 44,073      | 1.58               |
| Money, bonds and notes.....  | .....   | 676,477     | .....              |
| Other personal property..... | .....   | 249,341     | .....              |
| Railroad property.....       | .....   | 46,438      | .....              |
| Telegraph property.....      | .....   | .....       | .....              |
| Total taxable wealth.....    | .....   | \$2,882,918 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 800; peach, 200; small fruits, 200; average value of improved land, per acre, \$25; unimproved, \$6; average monthly wages farm labor, summer, \$13; winter, \$12; average weekly wages, domestic help, \$1.25; average number farm hands in county, 250; average number months employed during year, 8; most profitable product, stock raising; number public schools, 58; number teachers, 63; number pupils, 4,811; average school tax levy on \$100, 37 cents; permanent school fund, \$14,594.33.

## TOWNS.

PERRYVILLE, the county seat, is located on the Chester, Perryville & Farmington Railroad and has a population of 1,200. It has three newspapers, one bank, two private schools, one public school, four churches, one fraternal order, one flouring mill and the streets are graded and graveled. Other towns are:

|                   | Population. |
|-------------------|-------------|
| Altenburg .....   | 250         |
| Weltenberg .....  | 150         |
| Longtown .....    | 125         |
| Clayville .....   | 100         |
| Brewerville ..... | 100         |

## PETTIS COUNTY.

Population 35,000.

Railroads: Mo. Pac. and M., K. &amp; T. (and branches).

West central part of the State; 80 miles southeast of Kansas City; area, 668 square miles; surface, gently undulating, mostly prairie. About 10 per cent of the area is in timber of the usual varieties. Ninety per cent of the land is tillable; soil very fertile; drained by Flat, Muddy and Blackwater Creeks. There are many good springs, wells and cisterns. Coal, limestone and sandstone are found in considerable quantities and both lead and zinc have been discovered. Fine pottery and brick clay are abundant. Fuel is very abundant and the price is reasonable.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 28 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....        | 10 bushels             | .00                   | 5.75                    |
| Oats .....         | 25 bushels             | .15                   | 5.00                    |
| Potatoes .....     | 75 bushels             | .40                   | 14.00                   |
| Timothy Seed ..... | 3 bushels              | 1.75                  | 5.00                    |
| Clover Seed .....  | 2 bushels              | 3.75                  | 5.00                    |
| Clover Hay .....   | 2 tons                 | 6.00                  | 5.50                    |
| Timothy Hay .....  | 1½ tons                | 6.50                  | 5.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |           |                             |         |
|------------------------------|-----------|-----------------------------|---------|
| Cattle, head .....           | 19,362    | Tallow, pounds .....        | 459,370 |
| Hogs, head .....             | 40,915    | Small Fruit, crates .....   | 146     |
| Horses and Mules, head ..... | 1,997     | Logs, cars .....            | 5       |
| Sheep, head .....            | 4,951     | Walnut Logs, cars .....     | 1       |
| Mixed Live Stock, cars ..... | 23        | Cord Wood, cords .....      | 21      |
| Wheat, bushels .....         | 35,541    | Sand, cars .....            | 1       |
| Corn, bushels .....          | 129,516   | Wool, pounds .....          | 46,240  |
| Oats, bushels .....          | 30,760    | Feathers, pounds .....      | 24,436  |
| Hay, bales .....             | 23,135    | Vegetables, pounds .....    | 13,130  |
| Flax Seed, bushels .....     | 24,500    | Dried Fruit, pounds .....   | 1,355   |
| Flour, barrels .....         | 10,834    | Cider, gallons .....        | 822     |
| Apples, barrels .....        | 760       | Nursery Stock, pounds ..... | 15      |
| Potatoes, bushels .....      | 30        | Canned Goods, pounds .....  | 1,000   |
| Tobacco, pounds .....        | 9,100     | Strawberries, crates .....  | 33      |
| Eggs, dozen .....            | 706,910   | Broom Corn, cars .....      | 1       |
| Butter, pounds .....         | 15,845    | Grass Seed, bushels .....   | 6,736   |
| Poultry, pounds .....        | 691,351   | Corn Meal, pounds .....     | 26,504  |
| Dressed Meat, pounds .....   | 12,878    | Ship Stuff, pounds .....    | 10,000  |
| Game, pounds .....           | 4,307     | Bacon, pounds .....         | 304     |
| Hides, pounds .....          | 1,512,100 | Beeswax, pounds .....       | 1,000   |
| Pelts, pounds .....          | 63,278    |                             |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.       | Average Valuation. |
|------------------------------|---------|--------------|--------------------|
| Lands, acres.....            | 427,206 | \$4,538,105  | \$10.72            |
| Town Lots.....               | 5,508   | 3,128,955    | .....              |
| Horses.....                  | 13,508  | 323,814      | 23.96              |
| Mules.....                   | 4,071   | 95,024       | 23.33              |
| Cattle.....                  | 23,481  | 347,780      | 14.81              |
| Sheep.....                   | 5,520   | 9,000        | 1.63               |
| Hogs.....                    | 24,071  | 94,130       | 3.91               |
| Money, bonds and notes.....  | .....   | 495,950      | .....              |
| Other personal property..... | .....   | 973,623      | .....              |
| Railroad property.....       | .....   | 1,105,878    | .....              |
| Telegraph property.....      | .....   | 20,118       | .....              |
| Total taxable wealth.....    | .....   | \$11,131,877 | .....              |

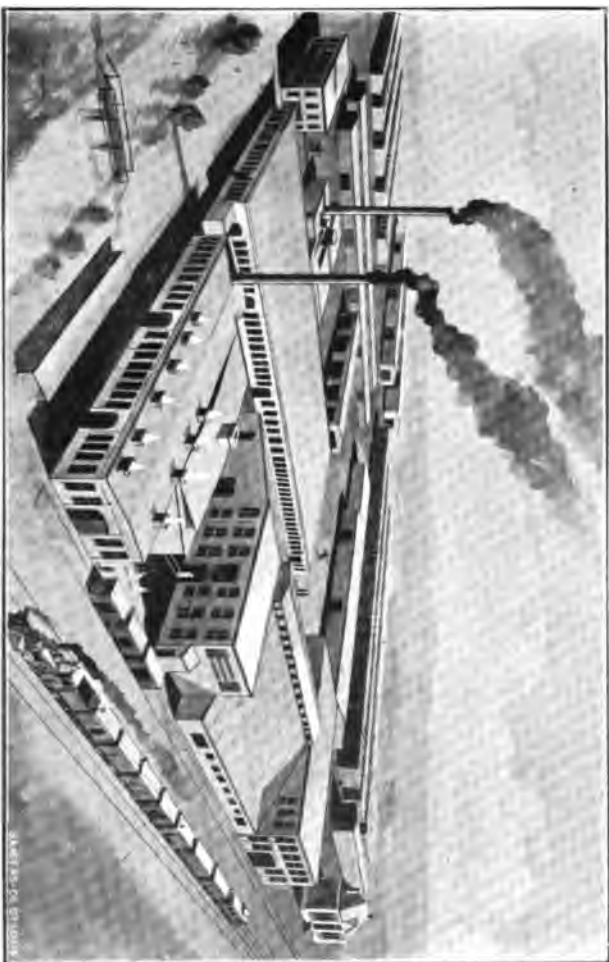
## GENERAL STATISTICS.

Average size of farms, 90 acres; average fruit acreage, apple, 4,500; peach, 600; small fruits, 300; average value of improved land, per acre, \$30; unimproved, \$12; average monthly wages farm labor, summer, \$14; winter, \$10; average weekly wages, domestic help, \$2; average number farm hands in county, 500; average number months employed during year, 7; most profitable products, corn and stock; number public schools, 105; number teachers, 195; number pupils, 10,123; average school tax levy on \$100, 50 cents; permanent school fund, \$14,594.50.

## CITIES AND TOWNS.

SEDALIA, the county seat and the fifth city in size in the State, is located near the center of Pettis County, on the Missouri Pacific and M., K. & T. Railroads. There are also several branch lines. The population is estimated at about 20,000. The city has nine newspapers (including three religious papers), six banks, nine public schools, twenty-seven churches and all the fraternal orders. The city is an important trade and manufacturing center. The manufactories comprise machine shops and foundries, ice plants, flouring mills, woolen mills, etc., and strong efforts are being made by the citizens to induce the location of new enterprises. The city has a good system of electric street railways, electric lights and water works and the streets are well paved with brick and stone. Other towns of importance in Pettis County are:

|                   | Population. |
|-------------------|-------------|
| Lamont .....      | 700         |
| Green Ridge ..... | 500         |
| Hustonia .....    | 400         |
| Smithton .....    | 400         |
| Georgetown .....  | 200         |
| Hughesville ..... | 150         |
| Beamer .....      | 75          |



VIEW OF PLANT OF SPRINGFIELD WAGON CO., SPRINGFIELD, MO.



## PHELPS COUNTY.

Population 15,000.

Railroads: St. L. &amp; S. F.

Southeast central part of the State; 95 miles southwest of St. Louis; area, 640 square miles; surface, hilly and 60 per cent in timber, consisting of all kinds of hardwood and some young pine. The soil on the bottoms is a very rich black loam, and the uplands are clay with gravel subsoil. The county is drained by the Gasconade, Meramec, Big and Little Rivers and watered by many excellent springs and wells. Lead and iron ore found in paying quantities, but little is mined. There is also an abundance of building and limestone and a fine quality of clay for brick and pottery. Fuel is abundant and very cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 80 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....       | 15 bushels             | .60                   | 5.75                    |
| Oats .....        | 80 bushels             | .18                   | 5.00                    |
| Potatoes .....    | 150 bushels            | .95                   | 14.00                   |
| Clover Hay .....  | 1½ tons                | 8.00                  | 5.00                    |
| Timothy Hay ..... | 1½ tons                | 8.00                  | 4.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                                  |         |                             |        |
|----------------------------------|---------|-----------------------------|--------|
| Cattle, Hogs and Sheep, head.... | 26,853  | Molasses, gallons .....     | 686    |
| Horses and Mules, head .....     | 306     | Nursery Stock, pounds ..... | 600    |
| Mixed Live Stock, cars .....     | 128     | Beeswax, pounds .....       | 110    |
| Wheat, bushels .....             | 32,000  | Ship Stuff, pounds .....    | 41,620 |
| Hay, bales .....                 | 699     | Clover Seed, bushels .....  | 30     |
| Flour, barrels .....             | 3,770   | Corn Meal, pounds .....     | 2,700  |
| Apples, barrels .....            | 532     | Hides, pounds .....         | 33,594 |
| Eggs, dozen .....                | 290,809 | Tallow, pounds .....        | 5,195  |
| Butter, pounds .....             | 9,939   | Small Fruit, crates .....   | 3      |
| Poultry, pounds .....            | 376,482 | Dried Fruit, pounds .....   | 29,467 |
| Dressed Meat, pounds .....       | 3,615   | Lumber, feet .....          | 27,000 |
| Game, pounds .....               | 11,943  | Cross Ties .....            | 14,118 |
| Fish, pounds .....               | 120     | Posts, cars .....           | 10     |
| Wool, pounds .....               | 22,353  | Cord Wood, cords .....      | 511    |
| Tobacco, pounds .....            | 5,177   | Iron Ore, tons .....        | 220    |
| Cooperage, cars .....            | 2       | Clay, cars .....            | 2      |
| Feathers, pounds .....           | 11,907  | Stone, cars .....           | 1      |
| Wine, gallons .....              | 25      | Sand, cars .....            | 241    |



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 881,980 | \$1,121,740 | \$ 2.96            |
| Town Lots.....               | 935     | 322,570     | .....              |
| Horses.....                  | 4,345   | 87,694      | 20.18              |
| Mules.....                   | 1,682   | 39,475      | 23.46              |
| Cattle.....                  | 11,188  | 99,084      | 8.89               |
| Sheep.....                   | 10,589  | 9,499       | .89                |
| Hogs.....                    | 15,306  | 21,862      | 1.39               |
| Money, bonds and notes.....  | .....   | 149,562     | .....              |
| Other personal property..... | .....   | 168,573     | .....              |
| Railroad property.....       | .....   | 400,821     | .....              |
| Telegraph property.....      | .....   | 4,888       | .....              |
| Total taxable wealth.....    | .....   | \$2,424,488 | .....              |

## GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit acreage, apple, 2,000; peach, 400; small fruits, 300; average value of improved land, per acre, \$20; unimproved, \$4; average monthly wages farm labor, summer, \$13; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 500; average number months employed during year, 6; most profitable products, corn, hay, fruit and stock; number public schools, 76; number teachers, 87; number pupils, 5,116; permanent school fund, \$6,461.90.

## TOWNS.

ROLLA, the county seat, is centrally located on the Frisco Railroad. It has two newspapers, two banks, two public schools, besides the State School of Mines, seven churches and seven fraternal orders. The town also has two mills, a wagon factory and cigar factory, an electric light plant, but not in use. Two other important towns in the county are:

|                 |             |
|-----------------|-------------|
|                 | Population. |
| St. James ..... | 600         |
| Newberg .....   | 250         |

## PIKE COUNTY.

Population 28,000.

Railroads: C. & A. and St. L. & H.

Located on the eastern border; 70 miles north of St. Louis, with an area of 620 square miles. The surface is partly rolling prairie and balance rich bottom land. The soil of the western portion is a rich black loam and of the eastern portion a red clay color, both very

productive. About 20 per cent of the land is still covered with timber, of the hardwood varieties. The Mississippi and many small streams afford excellent drainage. Marble and limestone are extensively quarried and fine fireclay is abundant, some of which received an award at World's Fair. Good water is abundant and fuel cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 34 bushels             | \$0.18                | \$ 6.00                 |
| Wheat .....        | 15 bushels             | .55                   | 6.00                    |
| Oats .....         | 20 bushels             | .14                   | 4.50                    |
| Potatoes .....     | 100 bushels            | .20                   | 14.00                   |
| Timothy Seed ..... | 4 bushels              | 1.90                  |                         |
| Clover Seed .....  | 2 bushels              | 3.50                  |                         |
| Clover Hay .....   | 1½ tons                | 3.90                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|   |           |                             |         |
|---|-----------|-----------------------------|---------|
| Cattle, Hogs, Sheep, head .....                 | 56,941    | Cross Ties .....            | 362     |
| Horses and Mules, head .....                    | 1,479     | Cord Wood, cords .....      | 1,666   |
| Mixed Live Stock, cars .....                    | 64        | Lime, barrels .....         | 32,250  |
| Wheat, Corn, Oats, bushels ....                 | 400,500   | Stone, cars .....           | 67      |
| Poultry, Dressed Meat and<br>Game, pounds ..... | 484,083   | Wool, pounds .....          | 36,968  |
| Lard, Hides and Tallow, lbs. ..                 | 23,391    | Cooperage, cars .....       | 10      |
| Small Fruit and Peaches, C. and<br>B. ....      | 629       | Feathers, pounds .....      | 6,325   |
| Hay, bales .....                                | 19,805    | Furs, pounds .....          | 635     |
| Flour, barrels .....                            | 23,495    | Vegetables, pounds .....    | 3,237   |
| Apples, barrels .....                           | 353       | Honey, pounds .....         | 514     |
| Potatoes, bushels .....                         | 9         | Onions, bushels .....       | 6       |
| Tobacco, pounds .....                           | 20        | Molasses, gallons .....     | 160     |
| Eggs, dozen .....                               | 192,760   | Cheese, pounds .....        | 450     |
| Butter, pounds .....                            | 23,962    | Nursery Stock, pounds ..... | 41,730  |
| Fish, pounds .....                              | 242,203   | Milk, gallons .....         | 34,920  |
| Lumber, feet .....                              | 3,564,000 | Ship Stuff, pounds .....    | 100,000 |
|   |           | Clover Seed, bushels .....  | 484     |
|   |           | Corn Meal, pounds .....     | 380,500 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 423,000 | \$4,219,598 | \$ 9.97               |
| Town Lots .....               | 7,277   | 1,490,612   |                       |
| Horses .....                  | 10,643  | 278,490     | 26.16                 |
| Mules .....                   | 3,116   | 82,300      | 26.43                 |
| Cattle .....                  | 16,402  | 226,311     | 14.16                 |
| Sheep .....                   | 10,622  | 19,841      | 1.82                  |
| Hogs .....                    | 24,969  | 65,477      | 2.62                  |
| Money, bonds and notes .....  |         | 915,477     |                       |
| Other personal property ..... |         | 624,484     |                       |
| Railroad property .....       |         | 1,024,178   |                       |
| Telegraph property .....      |         | 12,502      |                       |
| Total taxable wealth .....    |         | \$9,115,231 |                       |

## GENERAL STATISTICS.

Average size of farms, 60 acres; average fruit acreage, apple, 1,500; small fruits, 100; average value of improved land, per acre, \$35; unimproved, \$7; average monthly wages farm labor, summer, \$17; winter, \$12; average weekly wages, domestic help, \$2; average number farm hands in county, 500; average number months employed during year, 8; most profitable products, wheat, corn and stock; number of public schools, 116; number teachers, 169; number pupils, 8,094; average school tax levy on \$100; 41 cents; permanent school fund, \$5,525.28.

## TOWNS.

BOWLING GREEN is the county seat, and is located on the Chicago & Alton and the St. Louis & Hannibal Railroads, and has a population of 1,800. It has two newspapers, two banks, two schools, eight churches, five fraternal orders, one flouring mill, one shoddy factory and is lighted with electricity.

LOUISIANA, on the Mississippi River is the commercial center of the county and has a population of 6,000. Other towns of the county are:

|                   | Population. |
|-------------------|-------------|
| Clarksville ..... | 1,200       |
| Frankford .....   | 800         |
| Curryville .....  | 600         |
| Eolia .....       | 200         |

## PLATTE COUNTY.

Population 18,000.

Railroads: C., B. I. & P.; K. C., St. J. & C. B., and C. G. W.

Northwestern part of the State, bordering on the Missouri River; south line extends to Kansas City and north line is within 20 miles of St. Joseph; surface, undulating prairie and timber land. The soil is a rich dark loam, extremely fertile. Eighty per cent of the land is under cultivation and about 15 per cent in timber. The county is drained by the Platte River and numerous smaller streams. There are also many springs and wells. Coal, building stone and brick clay are found. Fuel is plentiful and inexpensive. Platte County is one of the best agricultural sections of the State.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 40 bushels             | \$0.16                | \$ 6.25                 |
| Wheat .....       | 18 bushels             | .60                   | 6.00                    |
| Oats .....        | 25 bushels             | .15                   | 5.00                    |
| Rye.....          | 20 bushels             | .40                   | 5.50                    |
| Potatoes .....    | 150 bushels            | .18                   | 15.00                   |
| Timothy Seed..... | 8 bushels              | 2.00                  | 5.25                    |
| Clover Seed ..... | 8 bushels              | 3.50                  | 6.00                    |
| Clover Hay.....   | 2½ tons                | 5.50                  | 6.00                    |
| Timothy Hay.. ..  | 3 tons                 | 6.00                  | 5.50                    |

## SURPLUS PRODUCTS SHIPPED.

|   |                          |         |
|---|--------------------------|---------|
| Cattle, Hogs and Sheep, head ... 64,441         | Hay, bales .....         | 5,502   |
| Horses and Mules, head .....                    | Flour, barrels .....     | 8,270   |
| Mixed Live Stock, cars .....                    | Apples, barrels .....    | 22,286  |
| Wheat, Corn and Oats, bushels .. 289,500        | Potatoes, bushels .....  | 18,894  |
| Rye and Barley, bushels .....                   | Tobacco, pounds .....    | 9,025   |
| Poultry, Dressed Meat and Game,<br>pounds ..... | Ship Stuff, pounds ..... | 458,400 |
| Lard, Hides and Tallow, pounds. 1 23,712        | Eggs, dozen .....        | 73,239  |
| Small Fruit, crates .....                       | Lumber, feet .....       | 117,000 |
| Dried Fruit, pounds .....                       | Butter, pounds .....     | 20,652  |
| Nursery Stock, pounds .....                     | Fish, pounds .....       | 2,319   |
| Canned Goods, pounds .....                      | Honey, pounds .....      | 1,215   |
|   | Wool, pounds .....       | 36,344  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average<br>Valuation. |
|------------------------------|---------|-------------|-----------------------|
| Lands, acres .....           | 250,252 | \$3,127,880 | \$12.06               |
| Town Lots.....               | 3,178   | 881,060     |                       |
| Horses .....                 | 7,175   | 180,700     | 25.18                 |
| Mules .....                  | 2,002   | 69,450      | 34.68                 |
| Cattle .....                 | 15,680  | 197,355     | 12.57                 |
| Sheep .....                  | 3,458   | 4,715       | 1.36                  |
| Hogs .....                   | 24,574  | 66,945      | 2.73                  |
| Money, bonds and notes ..... |         | 721,495     |                       |
| Other personal property..... |         | 282,430     |                       |
| Railroad property .....      |         | 868,899     |                       |
| Telegraph property .....     |         | 12,769      |                       |
| Total taxable wealth .....   |         | \$6,040,568 |                       |

## GENERAL STATISTICS.

Average size of farms, 70 acres; average fruit acreage, apple, 5,000; peach, 200; small fruits, 300; average value of improved land, per acre, \$45; unimproved, \$20; average monthly wages farm labor, summer, \$16; winter, \$12; average weekly wages, domestic help, \$2; average number farm hands in county, 500; average number months employed during year, 6; most profitable products, corn, wheat, fruit and stock; number public schools, 84; number teachers, 94; number

pupils, 5,033; average school tax levy on \$100, 90 cents; permanent school fund, \$13,353.52.

## TOWNS.

PLATTE CITY, the county seat, is located centrally, on the Chicago & Rock Island Railroad. It has a population of 800. The town has two newspapers, two banks, one public school, six churches and three fraternal orders. A creamery, cheese factory and cannery could be operated with profit.

WESTON, population, 1,500, is the largest town in the county. It is located on the K. C., St. J. & C. B. Railroad and was at one time a leading shipping point on the Missouri River.

PARKVILLE, population 800, is one of the leading college towns in the State. Other important towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Edgerton .....     | 600         |
| Dearborn .....     | 500         |
| Camden Point ..... | 200         |

## POLK COUNTY.

Population 24,000.

Railroads: K. C., C. & S. and St. L. & S. F.

Located in the southwest central portion of the State; 80 miles south of Jefferson City and 125 miles southeast of Kansas City. It has an area of 640 square miles and the surface is uneven and hilly. Timber occupies 35 per cent of the land and 80 per cent of the county is tillable. The soil is of the red limestone variety and very productive. The county is well drained by Sac River, Pomme de Terre River and their various branches. Timber along these streams is of the varieties of oak, elm, hickory and mulberry. There are many good springs in the county. Fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 25 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....        | 10 bushels             | .55                   | 5.25                    |
| Oats .....         | 25 bushels             | .20                   | 4.50                    |
| Flax ... ..        | 8 bushels              | .55                   | 4.75                    |
| Potatoes .....     | 100 bushels            | .30                   | 12.00                   |
| Timothy Seed ..... | 3 bushels              | 1.50                  | 4.75                    |
| Clover Seed .....  | 2 bushels              | 3.50                  | 4.00                    |
| Clover Hay .....   | 1½ tons                | 5.00                  | 4.50                    |
| Timothy Hay .....  | 2 tons                 | 6.50                  | 4.80                    |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 400,501 | \$1,945,944 | \$ 4.85            |
| Town Lots.....                | 2,701   | 418,807     | .....              |
| Horses .....                  | 11,130  | 258,081     | 23.18              |
| Mules .....                   | 4,069   | 100,712     | 24.75              |
| Cattle .....                  | 15,194  | 164,808     | 10.80              |
| Sheep ....                    | 10,791  | 10,887      | 1.01               |
| Hogs .....                    | 82,143  | 74,889      | 2.82               |
| Money, bonds and notes .....  | .....   | 482,471     | .....              |
| Other personal property ..... | .....   | 322,738     | .....              |
| Railroad property.....        | .....   | 820,870     | .....              |
| Telegraph property.....       | .....   | 8,708       | .....              |
| Total taxable wealth.....     | .....   | \$4,114,888 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 7,000; peach, 700; small fruits, 400; average value of improved land, per acre, \$25; unimproved, \$7; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 500; average number months employed during year, 6; most profitable products, corn, grass and stock; number public schools, 94; number teachers, 127; number pupils, 8,509; average school tax levy on \$100, 42 cents; permanent school fund, \$48,146.

## TOWNS.

BOLIVAR is the county seat and is the terminus of the Bolivar branch of the Frisco. It is located near the center of the county and has a population of 2,300. It has two newspapers, two banks, one public school, one college, six churches, eight fraternal orders, a good system of water works owned by the city, one mill. Other towns in the county are:

|                     | Population. |
|---------------------|-------------|
| Humansville .....   | 1,500       |
| Fairplay .....      | 600         |
| Morrisville .....   | 500         |
| Pleasant Hope ..... | 400         |
| Aldrich .....       | 400         |
| Dunnegan .....      | 200         |
| Halfway .....       | 100         |

## PULASKI COUNTY.

Population 11,000.

Railroads: St. L. &amp; S. F.

South central part of the State; 50 miles south of Jefferson City; area, 520 square miles; surface, hilly and well wooded; soil fertile along the streams. About 70 per cent of the land is in timber, mostly hardwood and 50 per cent of the land can be cultivated. The county is well watered by the Gasconade and Piny Rivers. There are also many springs. Limestone, sandstone and good brick clay are plentiful. Iron and lead are also found, but little worked. Fuel is plentiful and very cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 35 bushels             | \$0.25                | \$ 6.00                 |
| Wheat .....        | 12 bushels             | .55                   | 5.75                    |
| Oats .....         | 30 bushels             | .25                   | 5.00                    |
| Potatoes .....     | 90 bushels             | .30                   | 14.00                   |
| Timothy Seed ..... | 2½ bushels             | 2.00                  |                         |
| Clover Seed .....  | 2 bushels              | 3.50                  |                         |
| Clover Hay .....   | 1½ tons                | 8.50                  | 4.50                    |
| Timothy Hay .....  | 1½ tons                | 8.00                  | 4.80                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |
|------------------------------|---------|
| Cattle and Hogs, head .....  | 15,450  |
| Horses, Mules, head .....    | 369     |
| Sheep, head .....            | 4,590   |
| Mixed Live Stock, cars ..... | 147     |
| Wheat, bushels .....         | 18,500  |
| Hay, bales .....             | 466     |
| Flour, barrels .....         | 1,436   |
| Apples, barrels .....        | 451     |
| Potatoes, bushels .....      | 3       |
| Tobacco, pounds .....        | 1,115   |
| Eggs, dozen .....            | 210,480 |
| Butter, pounds .....         | 2,260   |
| Poultry, Game, pounds .....  | 315,919 |
| Dressed Meat, pounds .....   | 190     |
| Hides, pounds .....          | 18,033  |

|                            |        |
|----------------------------|--------|
| Lumber, feet .....         | 9,000  |
| Logs, cars .....           | 3      |
| Cross Ties .....           | 20,272 |
| Piling, cars .....         | 1      |
| Cord Wood, cords .....     | 21     |
| Wool, pounds .....         | 25,221 |
| Feathers, pounds .....     | 2,144  |
| Dried Fruit, pounds .....  | 18,245 |
| Wine, gallons .....        | 40     |
| Castor Beans, pounds ..... | 6,399  |
| Ship Stuff, pounds .....   | 91,130 |
| Grass Seed, bushels .....  | 33     |
| Corn Meal, pounds .....    | 6,835  |
| Bran, pounds .....         | 24,574 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.                  | No.     | Value.             | Average Valuation. |
|-------------------------------------|---------|--------------------|--------------------|
| Lands, acres .....                  | 224,842 | \$686,465          | \$ 2.82            |
| Town Lots .....                     | 1,167   | 129,765            | .....              |
| Horses .....                        | 8,791   | 88,805             | 23.29              |
| Mules .....                         | 1,175   | 29,455             | 25.06              |
| Cattle .....                        | 9,409   | 88,012             | 9.14               |
| Sheep .....                         | 9,048   | 9,610              | 1.06               |
| Hogs .....                          | 15,696  | 24,065             | 1.53               |
| Money, bonds and notes .....        | .....   | 95,220             | .....              |
| Other personal property .....       | .....   | 118,590            | .....              |
| Railroad property .....             | .....   | 401,648            | .....              |
| Telegraph property .....            | .....   | 4,888              | .....              |
| <b>Total taxable property .....</b> | .....   | <b>\$1,621,574</b> | .....              |

## GENERAL STATISTICS.

Average size of farms, 160 acres; average fruit acreage, apple, 3,000; peach, 300; average value of improved land, per acre, \$15; unimproved, \$3; average monthly wages farm labor, summer, \$13; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 200; average number months employed during year, 7; most profitable products, corn, fruit and stock; number public schools, 60; number teachers, 67; number pupils, 3,788; average school tax levy on \$100, 48 cents; permanent school fund, \$12,323.47.

## TOWNS.

WAYNESVILLE, the county seat, population, 300, is located near the center of the county, about 8 miles from the Frisco Railroad. It has one newspaper, one public school, two churches and two fraternal orders. Other towns in the county are:

|                | Population. |
|----------------|-------------|
| Richland ..... | 980         |
| Dixon .....    | 765         |
| Crocker .....  | 240         |

## PUTNAM COUNTY.

Population 17,500.

Railroads: C., M. & St. P. and B. & K. C.

Located near the center of the northern tier of counties; 235 miles northwest of St. Louis. It has an area of 542 square miles and its surface is undulating and hilly, 20 per cent being covered with tim-



ber. Eighty-five per cent of the land is tillable and the soil is mostly rich black loam, very fertile. The county is drained by Locust Creek, Blackbird and other branches of the Chariton. A large percentage of the county is underlaid with coal.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                    | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|--------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....         | 33 bushels             | \$0.18                | \$ 5.75                 |
|       | Wheat .....        | 12 bushels             | .55                   | 5.50                    |
|       | Oats .....         | 24 bushels             | .18                   | 4.50                    |
|       | Potatoes .....     | 100 bushels            | .25                   | 14.00                   |
|       | Timothy Seed ..... | 3½ bushels             | 2.00                  | 5.00                    |
|       | Clover Seed .....  | 2 bushels              | 4.00                  | 5.00                    |
|       | Clover Hay .....   | 1½ tons                | 4.00                  |                         |
|       | Timothy Hay .....  | 1½ tons                | 5.00                  | 5.00                    |

### SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |        |
|------------------------------|---------|-----------------------------|--------|
| Cattle, head .....           | 7,500   | Game, pounds .....          | 370    |
| Hogs, head .....             | 15,200  | Hides, pounds .....         | 9,150  |
| Horses and Mules, head ..... | 1,560   | Tallow, pounds .....        | 70     |
| Sheep, head .....            | 1,890   | Lumber, feet .....          | 38,000 |
| Wheat, bushels .....         | 24      | Cross Ties .....            | 5,249  |
| Corn, bushels .....          | 2,500   | Cord Wood, cords .....      | 14     |
| Oats, bushels .....          | 2,250   | Coal, tons .....            | 31,700 |
| Mixed Grain, cars .....      | 6       | Wool, pounds .....          | 8,300  |
| Hay, bales .....             | 4,660   | Cooperage, cars .....       | 3      |
| Rye, bushels .....           | 1,200   | Feathers, pounds .....      | 600    |
| Flour, barrels .....         | 3,900   | Furs, pounds .....          | 1,550  |
| Apples, barrels .....        | 1,662   | Vegetables, pounds .....    | 85,900 |
| Eggs, dozen .....            | 149,914 | Dried Fruit, pounds .....   | 450    |
| Butter, pounds .....         | 39,925  | Beeswax, pounds .....       | 30     |
| Poultry, pounds .....        | 202,565 | Timothy Seed, bushels ..... | 9,000  |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres.....             | 329,498 | \$2,275,895 | \$ 6.91               |
| Town Lots.....                | 2,008   | 222,431     |                       |
| Horses .....                  | 11,840  | 280,535     | 22.00                 |
| Mules .....                   | 1,088   | 23,696      | 22.81                 |
| Cattle .....                  | 24,075  | 257,073     | 10.67                 |
| Sheep.....                    | 11,976  | 11,856      | .96                   |
| Hogs .....                    | 18,681  | 44,680      | 2.38                  |
| Money, bonds and notes .....  |         | 331,270     |                       |
| Other personal property ..... |         | 256,909     |                       |
| Railroad property .....       |         | 228,195     |                       |
| Telegraph property .....      |         | 8,081       |                       |
| Total taxable wealth .....    |         | \$3,916,321 |                       |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 2,000; small fruits, 100; average value of improved land, per acre, \$25; unimproved, \$8; average monthly wages farm labor, summer, \$15; winter, \$12; average weekly wages, domestic help, \$2; average number farm hands in county, 300; average number months employed during year, 8; most profitable products, stock, corn and hay; number public schools, 85; number teachers, 96; number pupils, 5,604; average school tax levy on \$100, 39 cents; permanent school fund, \$34,805.60.

## TOWNS.

UNIONVILLE, the county seat, is located on the Burlington system of railway and has a population of 1,800. It is near the center of the county, has three newspapers, two banks, two schools, five churches, seven fraternal orders, two flouring mills, three wagon factories, one carriage factory. The town is supplied with good water by an artesian well, and will soon have in operation an electric light plant owned by the city. Other towns are:

|                   | Population. |
|-------------------|-------------|
| Mendota .....     | 850         |
| Lucerne .....     | 300         |
| Powersville ..... | 300         |
| Martinstown ..... | 300         |

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RALLS COUNTY.

Population 15,000.

Railroads: St. L., Keo. & N. W., C. & A. and St. L. & H.

Northeastern part of the State, bordering on the Mississippi River; 95 miles north of St. Louis; area, 490 square miles; surface chiefly undulating, about half prairie and half woodlands; soil very fertile. Seventy-five per cent of the land is tillable. The county is well watered and drained by Salt River, Lick and Spencer Creeks. Coal is found in a portion of the county and there are two good mines in operation. The price of coal is \$2 per ton and wood sells at \$2 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 30 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....       | 12 bushels             | .05                   | 5.50                    |
| Oats .....        | 23 bushels             | .14                   | 4.00                    |
| Potatoes .....    | 150 bushels            | .20                   | 14.00                   |
| Clover Hay .....  | 1½ tons                | 5.50                  |                         |
| Timothy Hay ..... | 1½ tons                | 5.80                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|   |         |                                |         |
|---|---------|--------------------------------|---------|
| Cattle, Hogs, Sheep, head .....                 | 30,890  | Hides and Tallow, pounds ..... | 45,490  |
| Horses and Mules, head .....                    | 280     | Small Fruit, C. and B. ....    | 118     |
| Mixed Live Stock, cars .....                    | 8       | Lumber, feet .....             | 99,000  |
| Poultry, Dressed Meat and Game,<br>pounds ..... | 303,495 | Cross Ties .....               | 1,267   |
| Wheat, Corn and Oats, bushels ..                | 141,750 | Cord Wood, cords .....         | 700     |
| Mixed Grain, cars .....                         | 1       | Coal, tons .....               | 7,400   |
| Hay, bales .....                                | 17,009  | Wool, pounds .....             | 123,000 |
| Flour, barrels .....                            | 75      | Feathers, pounds .....         | 2,302   |
| Grass Seed, bushels .....                       | 1,500   | Furs, pounds .....             | 563     |
| Apples, barrels .....                           | 207     | Dried Fruit, pounds .....      | 1,100   |
| Eggs, dozen .....                               | 108,150 | Onions, bushels .....          | 35      |
| Butter, pounds .....                            | 16,822  | Broom Corn, cars .....         | 7       |
| Fish, pounds .....                              | 6,480   | Cooperage, cars .....          | 12      |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 804,852 | \$2,599,305 | \$ 3.22               |
| Town Lots .....               | 861     | 168,425     |                       |
| Horses .....                  | 6,190   | 186,866     | 22.28                 |
| Mules .....                   | 1,845   | 29,867      | 22.06                 |
| Cattle .....                  | 11,417  | 145,066     | 12.63                 |
| Sheep .....                   | 4,774   | 7,785       | 1.62                  |
| Hogs .....                    | 16,725  | 89,125      | 2.33                  |
| Money, bonds and notes .....  |         | 471,135     |                       |
| Other personal property ..... |         | 230,945     |                       |
| Rail-road property .....      |         | 564,061     |                       |
| Telegraph property .....      |         | 7,617       |                       |
| Total taxable wealth .....    |         | \$4,888,176 |                       |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 2,500; small fruits, 250; average value of improved land, per acre, \$30; unimproved, \$10; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 350; average number months employed during year, 6; most profitable products, corn and hay; number public schools, 74; number teachers, 88; number pupils, 3,881; average school tax levy on \$100, 40 cents; permanent school fund, \$12,582.41.

## TOWNS.

NEW LONDON, the county seat, is located on the St. L. & H. Railroad. It has a population of about 1,000; one newspaper, two banks, one public school, four churches, five fraternal societies. The town also has a flouring mill and canning factory. Other enterprises are desired. Among the other towns in the county are:

|              | Population. |
|--------------|-------------|
| Perry .....  | 650         |
| Center ..... | 300         |

## RANDOLPH COUNTY.

Population 27,000.

Railroads: C. & A.; M., K. & T. and Wabash.

Located in northeast central Missouri; 60 miles north of Jefferson City. It has an area of 470 square miles and its surface is uneven and hilly. Eighty per cent of the land is tillable and 20 per cent is in timber. Grand and Chariton Rivers and their branches flow through the county, furnishing excellent drainage. The soil of the bottom lands and prairie is black loam and of the timber lands, clay-colored. Limestone is found in many parts of the county and an abundance of coal, there being over 200,000 tons shipped last year. Coal sells at \$2 per ton and wood at \$2 per cord. The roads of the county are in good condition.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 36 bushels             | \$0.17                | \$ 6.00                 |
| Wheat .....       | 18 bushels             | .55                   | 6.00                    |
| Oats .....        | 30 bushels             | .14                   | 5.00                    |
| Potatoes .....    | 200 bushels            | .20                   | 13.50                   |
| Clover Hay .....  | 2 tons                 | 4.00                  | 5.00                    |
| Timothy Hay ..... | 1½ tons                | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|   |           |  |         |
|---|-----------|--|---------|
| Cattle, Hogs and Sheep, head ..           | 55,082    | Fire Brick, Sewer Pipe, Tile, cars ..... | 287     |
| Horses and Mules, head .....              | 725       | Lumber, feet .....                       | 616,000 |
| Mixed Live Stock, cars .....              | 6         | Logs and Walnut Logs, cars ....          | 18      |
| Wheat, Corn and Oats, bushels.            | 9,775     | Cross Ties .....                         | 18,100  |
| Hay, bales .....                          | 10,485    | Piling, cars .....                       | 35      |
| Flour, barrels .....                      | 2,587     | Coal, tons .....                         | 149,340 |
| Apples, barrels .....                     | 34        | Stone, cars .....                        | 2       |
| Potatoes, bushels .....                   | 420       | Wool, pounds .....                       | 67,668  |
| Tobacco, pounds .....                     | 500       | Cooperage, cars .....                    | 91      |
| Eggs, dozen .....                         | 129,324   | Vegetables and Dried Fruit, pounds ..... | 3,822   |
| Butter, pounds .....                      | 10,225    | Nursery Stock, pounds .....              | 14,010  |
| Poultry, Dressed Meat, Game, pounds ..... | 225,133   | Feathers, pounds .....                   | 2,280   |
| Hides and Tallow, pounds .....            | 1,188,887 | Ship Stuff, pounds .....                 | 43,000  |
| Small Fruit, C. and B. ....               | 183       |  |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 308,572 | \$2,509,525 | \$ 8.13            |
| Town Lots .....               | 6,384   | 1,238,175   | .....              |
| Horses .....                  | 9,100   | 216,860     | 23.50              |
| Mules .....                   | 2,491   | 64,228      | 25.78              |
| Cattle .....                  | 13,602  | 200,968     | 14.77              |
| Sheep .....                   | 9,196   | 18,256      | 1.97               |
| Hogs .....                    | 14,022  | 47,287      | 3.35               |
| Money, bonds and notes .....  |         | 563,324     | .....              |
| Other personal property ..... |         | 408,225     | .....              |
| Railroad property .....       |         | 1,184,265   | .....              |
| Telegraph property .....      |         | 19,675      | .....              |
| Total taxable wealth .....    |         | \$6,468,321 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 3,000; peach, 300; small fruits, 100; average value of improved land, per acre, \$35; unimproved, \$10; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.75; average number farm hands in county, 500; average number months employed during year, 8; most profitable products, corn and stock; number public schools, 89; number teachers, 132; number pupils, 9,454; average school tax levy on \$100, 49 cents; permanent school fund is, \$22,752.75.

## CITIES AND TOWNS.

HUNTSVILLE, the county seat, is located on the Wabash Railroad and has a population of 2,300. It has two newspapers, one bank, one public school, four churches, six fraternal orders, two flouring mills, a rake and handle factory, a broom factory, gas works owned by the city.

MOBERLY is the largest town in the county and is quite an important railroad center. It has three newspapers and a population of 10,000. Other towns are:

|                    | Population. |
|--------------------|-------------|
| Higbee .....       | 1,000       |
| Cairo .....        | 500         |
| Clifton .....      | 500         |
| Clark .....        | 250         |
| Jacksonville ..... | 350         |
| Renick .....       | 300         |

## RAY COUNTY.

Population 27,000.

Railroads: A., T. & S. F.; C., M. & St. P., and Wabash.

Northwest central part of the State; south line of the county, bordering the Missouri River; about 30 miles northeast of Kansas City; area 584 square miles; surface, undulating prairie, with a generous amount of timber along the streams. Eighty-five per cent of the land can be cultivated. Soil is a rich dark loam, very fertile. The county is watered by numerous small streams, and many springs and wells. Coal is mined extensively and an abundance of building stone and brick clay is found. Fuel, being plentiful, is a small item of expense.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 40 bushels             | \$0.18                | \$6.25                  |
| Wheat .....       | 16 bushels             | .60                   | 6.00                    |
| Oats .....        | 30 bushels             | .15                   | 5.00                    |
| Potatoes.....     | 100 bushels            | .80                   | 14.00                   |
| Timothy Seed..... | 3 bushels              | 2.00                  |                         |
| Clover Seed ..... | 2 bushels              | 3.50                  |                         |
| Clover Hay.....   | 2 tons                 | 6.00                  |                         |
| Timothy Hay ..... | 1½ tons                | 6.50                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |           |
|------------------------------|---------|-----------------------------|-----------|
| Cattle, Hogs, head .....     | 65,885  | Lumber, feet .....          | 2,205,000 |
| Horses, Mules, head .....    | 900     | Walnut Logs, cars .....     | 1         |
| Sheep, head .....            | 2,701   | Cord Wood, cords .....      | 21        |
| Mixed Live Stock, cars ..... | 38      | Coal, tons .....            | 123,373   |
| Wheat, Corn, bushels .....   | 86,500  | Sand, cars .....            | 7         |
| Oats, bushels .....          | 14,316  | Wool, pounds .....          | 1,965     |
| Rye, bushels .....           | 2,500   | Feathers, pounds .....      | 270       |
| Hay, bales .....             | 466     | Vegetables, pounds .....    | 990,000   |
| Flax Seed, bushels .....     | 500     | Dried Fruit, pounds .....   | 875       |
| Flour, barrels .....         | 3,468   | Honey, pounds .....         | 25        |
| Apples, barrels .....        | 4,141   | Onions, bushels .....       | 83        |
| Potatoes, bushels .....      | 14,442  | Molasses, gallons .....     | 3,600     |
| Eggs, dozen .....            | 250,878 | Cider, gallons .....        | 80        |
| Butter, pounds .....         | 12,839  | Nursery Stock, pounds ..... | 150       |
| Poultry, Game, pounds .....  | 262,468 | Beeswax, pounds .....       | 105       |
| Dressed Meat, pounds .....   | 5,476   | Castor Beans, pounds .....  | 45,500    |
| Fish, pounds .....           | 5,538   | Ship Stuff, pounds .....    | 6,800     |
| Hides, Tallow, pounds .....  | 196,529 | Grass Seed, bushels .....   | 5,235     |
| Small Fruit, crates .....    | 346     | Corn Meal, pounds .....     | 580,000   |

## ASSESSED VALUATION OF PROPERTY, 1896.

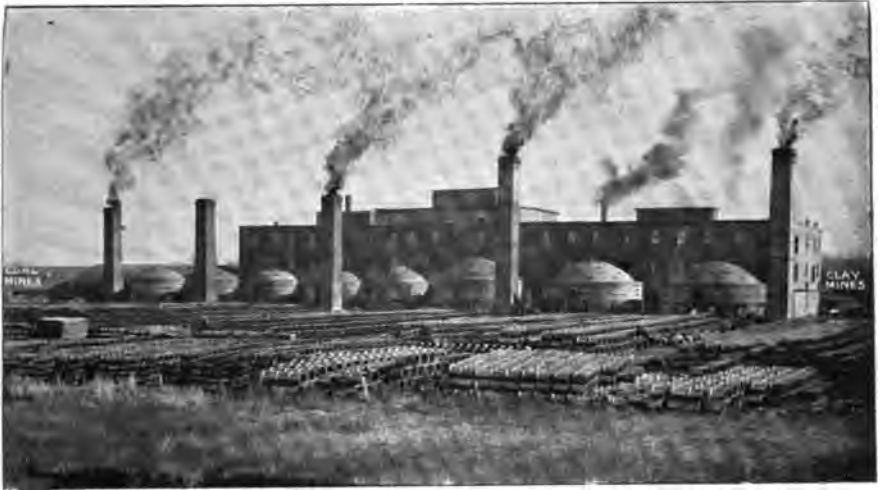
| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 354,806 | \$8,645,427 | \$10.27            |
| Town Lots .....               | 4,010   | 614,966     |                    |
| Horses .....                  | 12,399  | 277,698     | 20.71              |
| Mules .....                   | 4,715   | 112,614     | 23.88              |
| Cattle .....                  | 20,002  | 317,740     | 15.88              |
| Sheep .....                   | 5,149   | 8,225       | 1.59               |
| Hogs .....                    | 42,806  | 127,265     | 3.00               |
| Money, bonds and notes .....  |         | 1,115,690   |                    |
| Other personal property ..... |         | 570,310     |                    |
| Railroad property .....       |         | 1,163,169   |                    |
| Telegraph property .....      |         | 15,435      |                    |
| Total taxable wealth .....    |         | \$7,968,584 |                    |

## GENERAL STATISTICS.

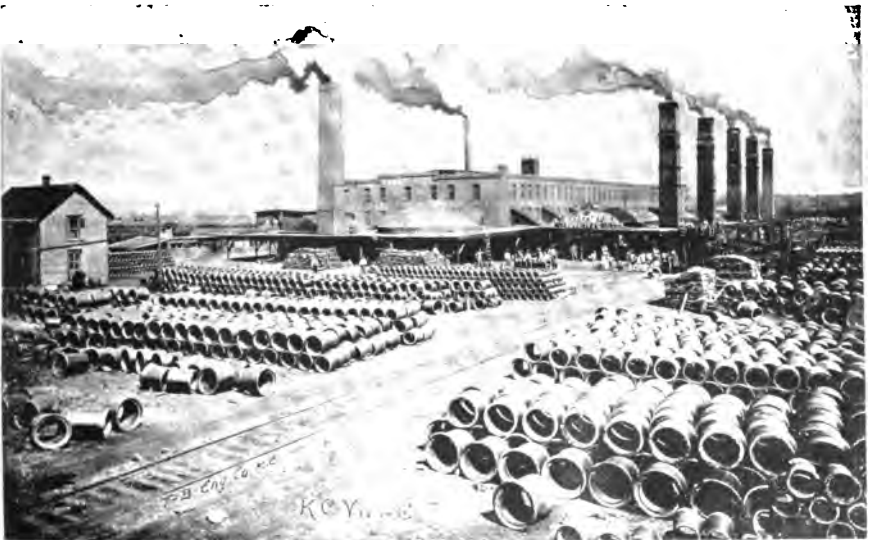
Average size of farms, 110 acres; average fruit acreage, apple, 3,500; peach, 100; small fruits, 400; average value of improved land, per acre, \$40; unimproved, \$12; average monthly wages farm labor, summer, \$18; winter, \$15; average weekly wages, domestic help, \$2; average number farm hands in county, 500; average number months employed during year, 6; most profitable products, corn, wheat and stock; number public schools, 99; number teachers, 138; number pupils, 7,915; average school tax levy on \$100, 39 cents; permanent school fund, \$59,469.85.

## TOWNS.

RICHMOND is the county seat, population about 3,000. It is located on the A., T. & S. F. Railroad and has three newspapers, three



Plant No. 1.



Plant No. 3.

TWO OF THE THREE PLANTS OF W. S. DICKEY CLAY MFG. CO., KANSAS CITY, MO.





banks, one public school and Woodson Institute, seven churches, five fraternal societies; also one flouring mill, foundry, bottling works, pop and vinegar factory. A woolen mill and canning factory are desired. Streets are in good condition, being macadamized. A good system of water works is owned by the city. Electric lights are furnished by a corporation. Among other important towns in the county are:

|                 | Population. |
|-----------------|-------------|
| Camden .....    | 900         |
| Hardin .....    | 780         |
| Lawson .....    | 750         |
| Orrick .....    | 400         |
| Henrietta ..... | 400         |
| Vibbard .....   | 300         |
| Hallard .....   | 200         |

## REYNOLDS COUNTY.

Population 7,500.

Railroads: Missouri Southern (narrow gauge).

Southeastern part of the State; 100 miles south of St. Louis. It has an area of 830 square miles and is largely timbered. The soil of the valleys is a sandy loam and of the uplands a clay formation. Eighty per cent of the land is tillable. Black River and its branches and numerous small streams afford excellent drainage. The timber supply is almost inexhaustible and is a valuable source of revenue. The varieties are pine, oak, walnut, hickory, gum, etc. Valuable minerals have been discovered, but not developed. Fuel is plentiful and cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.25                | \$5.75                  |
| Wheat .....       | 8 bushels              | .55                   | 5.50                    |
| Oats .....        | 25 bushels             | .25                   | 4.75                    |
| Potatoes .....    | 100 bushels            | .80                   | 15.00                   |
| Clover Seed ..... | 1½ bushels             | 4.00                  | 5.00                    |
| Clover Hay .....  | 2 tons                 |                       |                         |
| Timothy Hay ..... | 1½ tons                | 10.00                 | 5.00                    |
| Beans .....       | 12 bushels             | 1.80                  | 10.00                   |

## SURPLUS PRODUCTS SHIPPED.

|                              |        |                            |            |
|------------------------------|--------|----------------------------|------------|
| Cattle, head .....           | 1,500  | Lumber feet .....          | 170,000    |
| Hogs, head .....             | 3,000  | Logs, feet .....           | 64,719,000 |
| Horses and Mules, head ..... | 26     | Cross Ties .....           | 29,471     |
| Sheep, head .....            | 978    | Wool, pounds .....         | 232        |
| Flour, barrels .....         | 511    | Ship Stuff, pounds .....   | 55,557     |
| Apples, barrels .....        | 23     | Grass Seed, bushels .....  | 30         |
| Potatoes, bushels .....      | 15     | Corn Meal, pounds .....    | 19,200     |
| Eggs, dozen .....            | 90,257 | Furs, pounds .....         | 35         |
| Butter, pounds .....         | 151    | Honey, pounds .....        | 53         |
| Poultry, pounds .....        | 8,715  | Canned Goods, pounds ..... | 250        |
| Dressed Meat, pounds .....   | 8,219  | Beeswax, pounds .....      | 870        |
| Hides, pounds .....          | 10,826 |                            |            |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 490,006 | \$1,175,691 | \$ 2.40            |
| Town Lots.....               | 251     | 12,155      | .....              |
| Horses.....                  | 1,261   | 51,790      | 21.98              |
| Mules.....                   | 1,265   | 33,925      | 26.82              |
| Cattle.....                  | 8,340   | 68,208      | 8.17               |
| Sheep.....                   | 6,000   | 16,611      | 1.00               |
| Hogs.....                    | 11,626  | 17,568      | 1.51               |
| Money, bonds and notes.....  | .....   | 82,120      | .....              |
| Other personal property..... | .....   | 90,412      | .....              |
| Railroad property.....       | .....   | 80,799      | .....              |
| Telegraph property.....      | .....   | .....       | .....              |
| Total taxable wealth.....    | .....   | \$1,560,223 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 500; peach, 100; small fruits, 100; average value of improved land, per acre, \$25; unimproved, \$6; average monthly wages farm labor, summer, \$13; winter, \$10; average weekly wages, domestic help, \$1.25; average number farm hands in county, 60; average number months employed during year, 6; most profitable product, stock raising; number public schools, 54; number teachers, 54; number pupils, 2,729; average school tax levy on \$100, 46 cents; permanent school fund, \$4,554.42.

## TOWNS.

CENTERVILLE, the county seat, is located near the center of the county, but has no railroad. It has a population of 250, one newspaper, one school, two churches, two fraternal orders, one flouring mill. Other towns in the county are:

|                   |             |
|-------------------|-------------|
| Lesterville ..... | Population. |
| Barnesville ..... | 250         |

## RIPLEY COUNTY.

Population 11,000.

Railroads: St. L., I. M. &amp; S.

Southeast Missouri, bordering on the Arkansas line; 145 miles south of St. Louis; area, 640 square miles; surface hilly. Sixty per cent timber of the usual South Missouri varieties, principally oak and yellow pine. The soil is fertile in the valleys. The county is well watered by the Current and Little Black Rivers and their tributaries. Limestone and sandstone are found for building purposes and there is plenty of good clay for brick.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 22 bushels             | \$0.25                | \$5.00                  |
| Wheat .....       | 9 bushels              | .55                   | 4.75                    |
| Oats .....        | 18 bushels             | .25                   | 4.25                    |
| Potatoes .....    | 50 bushels             | .60                   | 14.00                   |
| Clover Hay .....  | 2½ tons                | 9.00                  | 6.00                    |
| Timothy Hay ..... | 2 tons                 | 9.00                  | 6.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                             |           |
|--------------------------------|---------|-----------------------------|-----------|
| Cattle, Hogs and Sheep, head.. | 9,055   | Dried Fruit, pounds .....   | 455       |
| Mixed Live Stock, cars .....   | 2       | Lumber, feet .....          | 2,133,000 |
| Flour, barrels .....           | 879     | Cross Ties .....            | 52,319    |
| Eggs, dozen .....              | 106,250 | Piling, cars .....          | 3         |
| Butter, pounds .....           | 133     | Cord Wood, cords .....      | 70        |
| Poultry and Game, pounds ....  | 112,213 | Wool, pounds .....          | 7,219     |
| Fish, pounds .....             | 151     | Cotton, bales .....         | 320       |
| Hides and Furs, pounds .....   | 3,566   | Cooperage, cars .....       | 67        |
| Feathers, pounds .....         | 734     | Nursery Stock, pounds ..... | 200       |
| Small Fruit, C. and B. ....    | 6       | Wagon Timber, feet .....    | 9,000     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 369,331 | \$1,258,980 | \$ 3.40               |
| Town Lots .....               | 478     | 157,466     |                       |
| Horses .....                  | 3,149   | 71,742      | 22.78                 |
| Mules .....                   | 1,123   | 28,658      | 25.51                 |
| Cattle .....                  | 8,710   | 62,337      | 7.15                  |
| Sheep .....                   | 4,422   | 4,376       | .98                   |
| Hogs .....                    | 16,537  | 23,966      | 1.41                  |
| Money, bonds and notes .....  |         | 85,740      |                       |
| Other personal property ..... |         | 124,367     |                       |
| Railroad property .....       |         | 54,788      |                       |
| Telegraph property .....      |         | 1,242       |                       |
| Total taxable wealth .....    |         | \$1,878,621 |                       |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 800; peach, 400; small fruits, 80; average value of improved land, per acre, \$17; unimproved, \$2.50; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic help, \$1.75; average number farm hands in county, 300; average number months employed during year, 6; most profitable industry, stock raising; number public schools, 57; number teachers, 66; number pupils, 4,261; average school tax levy on \$100, 22 cents; permanent school fund, \$21,713.48.

## TOWNS.

DONIPHAN, the county seat, has a population of 1,500. It is located on a branch of the Iron Mountain Railroad. The town has one newspaper, one public school, four churches and five fraternal orders. There are also three saw mills, a flouring mill and a planing mill. Other towns in the county are:

|                | Population. |
|----------------|-------------|
| Barfield ..... | 250         |
| Gatewood ..... | 200         |
| Ponder .....   | 50          |
| Pine .....     | 50          |
| Payner .....   | 50          |

## ST. CHARLES COUNTY.

Population 28,000.

Railroads: St. L. & H.; M., K. & T.; Wabash, and St. L., Keo. & N. W.

Centrally located on the eastern border with an area of 520 square miles. The surface is part rolling and part level prairie. The soil is black sandy loam and very productive. Eighty per cent of the land is tillable and 30 per cent is timbered. The Mississippi River flows along the northern border of the county and the Missouri River along the southern and eastern. Some coal and a trace of lead and copper are found. Good water is easily obtained and fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 38 bushels             | \$0.20                | \$ 6.00                 |
| Wheat .....        | 15 bushels             | .55                   | 6.00                    |
| Oats .....         | 25 bushels             | .14                   | 4.50                    |
| Potatoes .....     | 150 bushels            | .20                   | 14.00                   |
| Timothy Seed ..... | 34 bushels             | 2.00                  | 5.00                    |
| Clover Seed .....  | 24 bushels             | 4.00                  | 5.00                    |
| Timothy Hay .....  | 2 tons                 | 6.00                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                   |         |                             |         |
|-----------------------------------|---------|-----------------------------|---------|
| Cattle, Hogs and Sheep, head ..   | 27,026  | Butter, pounds .....        | 121,522 |
| Horses and Mules, head .....      | 1,000   | Fish, pounds .....          | 44,223  |
| Mixed Live Stock, cars .....      | 119     | Small Fruit, crates .....   | 5,933   |
| Wheat, Corn, Oats, bushels .....  | 813,750 | Building Brick, cars .....  | 38      |
| Poultry, Dressed Meat and         |         | Lumber, feet .....          | 496,000 |
| Game, pounds .....                | 563,537 | Cross Ties .....            | 13,213  |
| Lard, Hides, Tallow, pounds ..... | 120,150 | Cord Wood, cords .....      | 1,764   |
| Dried Fruit and Vegetables,       |         | Stone, Sand, cars .....     | 877     |
| pounds .....                      | 8,180   | Wool, pounds .....          | 18,565  |
| Hay, bales .....                  | 88,783  | Ship Stuff, pounds .....    | 509,900 |
| Flour, barrels .....              | 82,685  | Feathers, pounds .....      | 4,260   |
| Apples, barrels .....             | 10,780  | Honey, pounds .....         | 15,425  |
| Potatoes, bushels .....           | 3,830   | Wine, gallons .....         | 47,915  |
| Tobacco, pounds .....             | 799,442 | Onions, bushels .....       | 7,465   |
| Eggs, dozen .....                 | 654,260 | Nursery Stock, pounds ..... | 3,463   |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.       | Average<br>Valuation. |
|-------------------------------|---------|--------------|-----------------------|
| Land, acres .....             | 335,270 | \$4,728,838  | \$14.00               |
| Town Lots .....               | 2,215   | 1,709,480    |                       |
| Horses .....                  | 7,415   | 180,575      | 25.56                 |
| Mules .....                   | 2,666   | 68,385       | 25.44                 |
| Cattle .....                  | 9,923   | 120,000      | 12.00                 |
| Sheep .....                   | 3,028   | 4,925        | 1.62                  |
| Hogs .....                    | 25,848  | 66,370       | 2.56                  |
| Money, bonds and notes .....  |         | 1,543,825    |                       |
| Other personal property ..... |         | 662,805      |                       |
| Railroad property .....       |         | 1,675,219    |                       |
| Telegraph property .....      |         | 17,001       |                       |
| Total taxable wealth .....    |         | \$10,774,388 |                       |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 2,500; peach, 200; small fruits, 300; average value of improved land, per acre, \$40; unimproved, \$12; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 400; average number months employed during year. 7; most profitable products, wheat, corn and

stock; number public schools, 90; number teachers, 98; number pupils, 7,143; average school tax levy on \$100, none; permanent school fund, \$50,256.

### CITIES AND TOWNS.

ST. CHARLES, the county seat, is located on the M., K. & T. and Wabash Railroads and has a population of 6,500. It has six newspapers, three banks, two public schools and Lindenwood College, eleven churches, nine fraternal orders, largest car shops in the State, cob pipe factory, box factory, tobacco factory, two flour mills, good paved streets, electric lights and water works. Other towns are:

|                      | Population. |
|----------------------|-------------|
| Wentzville .....     | 800         |
| Augusta .....        | 500         |
| Portage .....        | 400         |
| O'Fallon .....       | 400         |
| St. Peters .....     | 400         |
| Mechanicsville ..... | 200         |

### ST. CLAIR COUNTY.

Population 18,500.

Railroads: M., K. & T.; O. & S., and K. C., Ft. S. & M.

South of western part of State; 90 miles southeast of Kansas City; area, 690 square miles; surface, undulating prairie and woodland in nearly equal proportions. Seventy-five per cent of the land is tillable. The soil is generally very fertile and the county is well watered and drained by the Osage and Sac Rivers and many creeks. Half of the county is underlaid with a three-foot vein of bituminous coal, of which very little is mined. Good building stone is found. Iron ore has been discovered. The county excels in stock raising. Fuel is an inexpensive item of living.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 26 bushels             | \$0.20                | \$ 5.25                 |
| Wheat .....        | 10 bushels             | .55                   | 5.00                    |
| Oats .....         | 25 bushels             | .20                   | 4.50                    |
| Broom Corn .....   | 800 pounds             | .02                   |                         |
| Potatoes .....     | 30 bushels             | .30                   | 11.25                   |
| Timothy Seed ..... | 3 bushels              | 1.55                  | 4.25                    |
| Clover Seed .....  | 2 bushels              | 3.50                  | 5.00                    |
| Clover Hay .....   | 1½ tons                | 5.50                  | 5.50                    |
| Timothy Hay .....  | 1½ tons                | 6.00                  | 5.00                    |
| Prairie Hay .....  | 1 ton                  | 4.50                  | 3.75                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                            |         |
|------------------------------|---------|----------------------------|---------|
| Cattle, head .....           | 9,400   | Hides, pounds .....        | 99,491  |
| Hogs, head .....             | 35,840  | Tallow, pounds .....       | 4,786   |
| Horses, Mules, head .....    | 220     | Small Fruit, crates .....  | 8       |
| Sheep, head .....            | 1,260   | Building Brick, cars ..... | 4       |
| Mixed Live Stock, cars ..... | 31      | Lumber, feet .....         | 144,000 |
| Wheat, bushels .....         | 1,000   | Cross Ties .....           | 19,367  |
| Corn, bushels .....          | 85,500  | Cord Wood, cords .....     | 14      |
| Oats, bushels .....          | 15,750  | Coal, tons .....           | 1,300   |
| Hay, bales .....             | 99,491  | Gravel, cars .....         | 174     |
| Flax Seed, bushels .....     | 33,000  | Cooperage, cars .....      | 12      |
| Flour, barrels .....         | 53      | Feathers, pounds .....     | 935     |
| Apples, barrels .....        | 750     | Furs, pounds .....         | 1,809   |
| Potatoes, bushels .....      | 126     | Dried Fruit, pounds .....  | 1,400   |
| Eggs, dozen .....            | 316,560 | Molasses, gallons .....    | 60      |
| Butter, pounds .....         | 7,350   | Cheese, pounds .....       | 62,248  |
| Poultry, pounds .....        | 363,261 | Castor Beans, pounds ..... | 1,000   |
| Dressed Meat, pounds .....   | 220     | Mill Feed, pounds .....    | 73,906  |
| Game, pounds .....           | 6,590   | Clover Seed, bushels ..... | 5,500   |
| Fish, pounds .....           | 205     | Corn Meal, pounds .....    | 60,600  |
| Lard, pounds .....           | 12,325  |                            |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 428,464 | \$2,308,505 | \$ 5.48            |
| Town Lots .....               | 4,421   | 842,565     | .....              |
| Horses .....                  | 11,886  | 232,949     | 20.45              |
| Mules .....                   | 2,364   | 51,686      | 21.88              |
| Cattle .....                  | 17,190  | 180,274     | 10.48              |
| Sheep .....                   | 4,682   | 4,864       | 1.06               |
| Hogs .....                    | 27,445  | 55,259      | 2.01               |
| Money, bonds and notes .....  |         | 240,669     | .....              |
| Other personal property ..... |         | 714,862     | .....              |
| Railroad property .....       |         |             | .....              |
| Telegraph property .....      |         | 4,127       | .....              |
| Total taxable wealth .....    |         | \$4,180,520 | .....              |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 5,000; peach, 500; average value of improved land, per acre, \$25; unimproved, \$10; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 400; average number months employed during year, 6; most profitable products, corn and stock raising; number public schools, 96; number teachers, 116; number pupils, 6,570; average school tax levy on \$100, 54 cents; permanent school fund, \$17,219.15.

## TOWNS.

OSCEOLA is the county seat, population 1,200, located on the Osage River and the K. C., O. & S. and K. C., Clinton & S. The



town has three newspapers, one bank, two public schools, five churches, four fraternal orders, a flouring mill, gravel pit and lime works. The streets of the town are well graded and graveled and the Osage River furnishes unlimited water power for manufactories. Some of the other towns in St. Clair County are:

|                     | Population, |
|---------------------|-------------|
| Appleton City ..... | 1,200       |
| Lowery City .....   | 800         |
| Collins .....       | 400         |
| Roscoe .....        | 200         |
| Taberville .....    | 200         |

## ST. FRANCOIS COUNTY.

Population 19,000.

Railroads: St. L., I. M. & S. and M. R. & B. T.

Eastern part of the State; 70 miles south of St. Louis, with an area of 410 square miles. The surface is hilly and broken, but the valleys are rich and productive. The St. Francois River and other streams flow through the county. Extensive forests are found to the extent of 50 per cent of surface. The famous Iron Mountain is situated in this county with an inexhaustible supply of mineral. The county is also rich in lead and zinc as well as building stone. The county probably stands first in the richness of its mineral deposits. Extensive shipments of timber are also made.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                  | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....       | 30 bushels             | \$0.25                | \$6.75                  |
|       | Wheat .....      | 12 bushels             | .50                   | 6.60                    |
|       | Oats .....       | 25 bushels             | .20                   | 4.75                    |
|       | Potatoes.....    | 60 bushels             | .40                   | 14.00                   |
|       | Clover Seed..... | 1½ bushels             | 4.00                  | 7.00                    |
|       | Clover Hay.....  | 2 tons                 | 9.50                  | 6.50                    |
|       | Timothy Hay..... | 1½ tons                | 9.00                  | 6.80                    |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                          |         |
|--------------------------------|---------|--------------------------|---------|
| Cattle, head .....             | 3,725   | Cord Wood, cords .....   | 2,835   |
| Hogs, head .....               | 6,841   | Lead Ore, tons .....     | 72,200  |
| Horses, Mules, head .....      | 100     | Iron Ore, tons .....     | 1,960   |
| Sheep, head .....              | 2,670   | Pig Lead, tons .....     | 9,386   |
| Mixed Live Stock, cars .....   | 21      | Chats, cars .....        | 4,881   |
| Wheat, bushels .....           | 3,000   | Stone, cars .....        | 5       |
| Flour, barrels .....           | 17,075  | Gravel, cars .....       | 13      |
| Apples, barrels .....          | 2,057   | Sand, cars .....         | 94      |
| Eggs, dozen .....              | 35,180  | Granite, cars .....      | 2,652   |
| Butter, pounds .....           | 24,723  | Tiff, cars .....         | 15      |
| Poultry, pounds .....          | 78,064  | Wool, pounds .....       | 705     |
| Dressed Meat, pounds .....     | 10,511  | Cooperage, cars .....    | 10      |
| Hides and Tallow, pounds ..... | 49,408  | Feathers, pounds .....   | 386     |
| Building Brick, cars .....     | 4       | Vegetables, pounds ..... | 491,479 |
| Lumber, feet .....             | 108,000 | Cheese, pounds .....     | 470     |
| Logs, cars .....               | 12      | Nuts, bushels .....      | 9       |
| Cross Ties .....               | 486     |                          |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 280,557 | \$1,741,256 | \$ 6.20            |
| Town Lots.....               | 3,029   | 848,253     | .....              |
| Horses.....                  | 8,498   | 76,368      | 22.22              |
| Mules.....                   | 1,415   | 81,080      | 22.42              |
| Cattle.....                  | 7,780   | 67,360      | 8.65               |
| Sheep.....                   | 2,789   | 3,255       | 1.16               |
| Hogs.....                    | 8,239   | 15,558      | 1.88               |
| Money, bonds and notes.....  |         | 857,790     | .....              |
| Other personal property..... |         | 185,120     | .....              |
| Railroad property.....       |         | 540,885     | .....              |
| Telegraph property.....      |         | 4,848       | .....              |
| Total taxable wealth.....    |         | \$3,851,853 | .....              |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 4,500; peach, 400; small fruits, 180; average value of improved land, per acre, \$20; unimproved, \$10; average monthly wages farm labor, summer, \$16; winter, \$15; average weekly wages, domestic help, \$1.75; average number farm hands in county, 350; average number months employed during year, 6; most profitable industry, cattle raising; number public schools, 61; number teachers, 90; number pupils, 6,168; average school tax levy on \$100, 57 cents; permanent school fund, \$21,266.67.

## TOWNS.

FARMINGTON, the county seat, is located near the Iron Mountain Railway, and has a population of 2,500. It has three newspapers, two banks, two public schools, three colleges, seven churches, six fra-

ternal orders, three flouring mills, four wagon factories, two saw mills, one planing mill, electric lights and good graveled streets. Other towns are:

|                     | Population. |
|---------------------|-------------|
| Bonne Terre .....   | 3,500       |
| Bismarck .....      | 800         |
| Flat River .....    | 300         |
| Eloines .....       | 200         |
| Leadville .....     | 200         |
| Knob Lick .....     | 100         |
| Iron Mountain ..... | 100         |

### STE. GENEVIEVE COUNTY.

Population 11,000.

Railroads: C., St. M. & P.

Southeastern part of the State, bordering on the Mississippi River, 55 miles south of St. Louis; area, 450 square miles; surface, hilly and well timbered; soil, fertile in the bottoms and along the streams. Sixty per cent of the land is tillable and 40 percent is in forests, consisting of oak, pine, walnut, hickory and pecan. The county is well watered by the Aux Vasse River, Saline and other creeks. There are also many springs and excellent wells. There are deposits of white sand, marble, red and yellow sandstone, limestone, lead, iron, copper and zinc. Wood is the principal fuel and sells at \$2 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 30 bushels             | \$0.20                | \$ 5.80                 |
| Wheat .....       | 12 bushels             | .55                   | 5.80                    |
| Oats .....        | 23 bushels             | .20                   | 4.50                    |
| Potatoes .....    | 60 bushels             | .35                   | 14.50                   |
| Clover Hay .....  | 2 tons                 | 9.00                  |                         |
| Timothy Hay ..... | 2 tons                 | 9.00                  | 7.00                    |

### SURPLUS PRODUCTS SHIPPED.

|                                |         |                              |           |
|--------------------------------|---------|------------------------------|-----------|
| Cattle and Hogs, head .....    | 13,364  | Hides and Furs, pounds ..... | 45,361    |
| Horses and Mules, head .....   | 52      | Tallow, pounds .....         | 15,235    |
| Sheep, head .....              | 2,720   | Feathers, pounds .....       | 590       |
| Corn, bushels .....            | 500     | Wool, pounds .....           | 25,129    |
| Flour, barrels .....           | 1,400   | Vegetables, pounds .....     | 219,874   |
| Eggs, dozen .....              | 150,300 | Honey, pounds .....          | 336       |
| Butter, pounds .....           | 53,707  | Onions, bushels .....        | 414       |
| Poultry and Game, pounds ..... | 190,456 | Fruit, pounds .....          | 60,819    |
| Dressed Meat, pounds .....     | 490     | Ship Stuff, pounds .....     | 1,930,000 |
| Fish, pounds .....             | 23,986  | Corn Meal, pounds .....      | 10,000    |
| Lard, pounds .....             | 7,317   |                              |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 304,018 | \$1,123,602 | \$ 3.60            |
| Town Lots.....                | 918     | 287,720     | .....              |
| Horses .....                  | 3,222   | 78,262      | 24.21              |
| Mules .....                   | 925     | 20,910      | 23.60              |
| Cattle .....                  | 5,665   | 50,323      | 8.98               |
| Sheep .....                   | 2,971   | 2,971       | 1.00               |
| Hogs .....                    | 10,066  | 16,548      | 1.68               |
| Money, bonds and notes .....  | .....   | 362,237     | .....              |
| Other personal property ..... | .....   | 109,965     | .....              |
| Railroad property .....       | .....   | 2,421       | .....              |
| Telegraph property .....      | .....   | .....       | .....              |
| Total taxable wealth .....    | .....   | \$2,064,960 | .....              |

## GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit acreage, apple, 1,500; peach, 500; small fruits, 100; average value of improved land, per acre, \$25; unimproved, \$6; average monthly wages farm labor, summer, \$16; winter, \$15; average weekly wages, domestic help, \$1.50; average number farm hands in county, 400; average number months employed during year, 6; most profitable industry, stock raising; number public schools, 56; number teachers, 60; number pupils, 3,680; average school tax levy on \$100, 54 cents; permanent school fund, \$13,016.75.

## TOWNS.

STE. GENEVIEVE, the county seat, has a population of about 2,200. It is located in the eastern part of the county on the Mississippi River. The town has two newspapers, one bank, three schools, three churches, two fraternal societies. There are also two flouring mills, a brewery, ice plant and bottling works. Streets are graded and graveled. The other towns in the county are:

|                  | Population. |
|------------------|-------------|
| St. Mary's ..... | 600         |
| Bloomsdale ..... | 200         |
| Coffman .....    | 100         |

## ST. LOUIS COUNTY.

Population 40,000.

Railroads: St. L. & S. F.; Mo. Pac., St. L., I. M. & S.; M., K. & T.; H. & St. J.:  
St. L., Keo. & N. W., and G. & C.

Centrally located on eastern border with an area of 192 square miles. The surface is generally hilly and 20 per cent of it timbered. Eighty per cent of land is tillable and most of it is very productive.

The Missouri River forms the western and northern boundary, the Mississippi the eastern, and the Meramec the southern. These, together with small streams, furnish excellent drainage. Large quarries of stone and fire clay are found. Roads are finely macadamized all over the county and gardening and fruit raising are the chief occupations.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                  | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....       | 30 bushels             | \$0.25                | \$6.50                  |
|       | Wheat .....      | 16 bushels             | .60                   | 6.50                    |
|       | Oats .....       | 30 bushels             | .22                   | 6.00                    |
|       | Potatoes .....   | 100 bushels            | .35                   | 15.00                   |
|       | Clover Hay.....  | 2 tons                 | 10.00                 | 6.25                    |
|       | Timothy Hay..... | 1½ tons                | 10.00                 | 6.25                    |

### SURPLUS PRODUCTS SHIPPED.

|                                     |           |                              |         |
|-------------------------------------|-----------|------------------------------|---------|
| Cattle, head .....                  | 7,380     | Sewer Pipe, Tile, cars ..... | 896     |
| Hogs, head .....                    | 14,509    | Lumber, feet .....           | 153,000 |
| Sheep, head .....                   | 8,250     | Logs and Posts, cars .....   | 7       |
| Horses, Mules, head .....           | 3,349     | Cross Ties .....             | 3,253   |
| Mixed Live Stock, cars .....        | 18        | Cord Wood, cords .....       | 4,055   |
| Wheat, Corn, Oats, bushels .....    | 1,207,217 | Fire Clay, cars .....        | 3,069   |
| Hay, bales .....                    | 29,591    | Lime, barrels .....          | 143,700 |
| Flour, barrels .....                | 1,947,538 | Stone, Gravel, cars .....    | 1,715   |
| Apples, barrels .....               | 868       | Sand, cars .....             | 606     |
| Potatoes, bushels .....             | 6,162     | Wool, pounds .....           | 2,100   |
| Eggs, dozen .....                   | 13,281    | Ship Stuff, pounds .....     | 14,950  |
| Butter, pounds .....                | 7,123     | Corn Meal, pounds .....      | 12,000  |
| Poultry, Dressed Meat, pounds ..... | 46,820    | Vegetables, pounds .....     | 63,297  |
| Hides, pounds .....                 | 1,322     | Onions, bushels .....        | 1,200   |
| Small Fruit, C. and B. ....         | 381       | Nursery Stock, pounds .....  | 20,337  |
| Building Brick, cars .....          | 2,565     | Milk, gallons .....          | 83,476  |
| Fire Brick, cars .....              | 1,093     | White Lead, cars .....       | 433     |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.       | Average<br>Valuation. |
|------------------------------|---------|--------------|-----------------------|
| Lands, acres.....            | 296,231 | \$17,998,110 | \$60.75               |
| Town Lots.....               | 27,702  | 4,175,320    |                       |
| Horses .....                 | 8,661   | 240,965      | 27.82                 |
| Mules .....                  | 4,848   | 122,770      | 25.23                 |
| Cattle .....                 | 10,181  | 137,605      | 13.50                 |
| Sheep .....                  | 2,069   | 8,020        | 1.45                  |
| Hogs .....                   | 19,932  | 52,635       | 2.64                  |
| Money, bonds and notes ..... |         | 2,480,000    |                       |
| Other personal property..... |         | 1,180,885    |                       |
| Railroad property.....       |         | 1,923,397    |                       |
| Telegraph property .....     |         | 35,291       |                       |
| Total taxable wealth.....    |         | \$28,850,888 |                       |

## GENERAL STATISTICS.

Average size of farms, 40 acres; average fruit acreage, apple, 15,000; peach, 1,500; small fruits, 10,000; average value of improved land, per acre, \$65; average monthly wages paid for farm labor, summer, \$18; winter, \$16; average weekly wages, domestic help, \$3; average number farm hands in county, 600; average number months employed during year, 7; most profitable products, fruit and garden; number public schools, 113; number teachers, 166; number pupils, 13,186; average school tax levy on \$100, 36 cents; permanent school fund, \$55,565.71.

## TOWNS.

CLAYTON, the county seat, is located near the center of the county, on the St. Louis, Kansas City & Colorado Railroad, and is connected with St. Louis by an electric railway. It has a population of 1,000, three newspapers, one bank, one public school, four churches, two fraternal orders. The streets are macadamized. Other suburban towns are Kirkwood, Webster Grove, Bridgeton, Manchester, Florissant, all of which are closely connected with St. Louis by rail and are rapidly growing in favor as places of residence.

## SALINE COUNTY.

Population 36,000.

Railroads: C. & A. and Mo. Pac.

Northwest central part of the State; 70 miles east of Kansas City; north line of the county borders on the Missouri River, area, 760 square miles; surface, undulating, largely prairie. Only about 10 per cent of the land is timber and that along the streams. Eighty per cent of the land is under cultivation, or in pastures. The soil is a rich dark loam and "mulatto," exceedingly productive. The county is well watered and drained by Blackwater, Salt Fork and their tributaries. There are numerous springs, most of which possess valuable mineral properties, besides the many wells and cisterns to be found on every farm. Coal underlies portions of the county and the eight small mines operated produce enough for local consumption. Lead is found, but not in paying quantities. Fuel, both coal and wood, sells at a reasonable price.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                    | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|--------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....         | 40 bushels             | \$0.18                | \$ 6.75                 |
|       | Wheat .....        | 15 bushels             | .50                   | 6.50                    |
|       | Oats .....         | 35 bushels             | .15                   | 5.75                    |
|       | Rye .....          | 20 bushels             | .40                   | 6.25                    |
|       | Potatoes .....     | 150 bushels            | .25                   | 13.00                   |
|       | Timothy Seed ..... | 3½ bushels             | 1.65                  | 5.25                    |
|       | Clover Seed .....  | 2 bushels              | 3.50                  | 6.50                    |
|       | Clover Hay .....   | 2½ tons                | 5.00                  | 5.00                    |
|       | Timothy Hay .....  | 2 tons                 | 5.50                  | 4.75                    |
|       | Tobacco .....      | 1000 pounds            | .05                   | 30.00                   |

## SURPLUS PRODUCTS SHIPPED.

|                             |         |                             |           |
|-----------------------------|---------|-----------------------------|-----------|
| Cattle, head .....          | 41,951  | Lard, pounds .....          | 405       |
| Hogs, head .....            | 76,225  | Tallow, pounds .....        | 1,190     |
| Horses and Mules, head..... | 3,581   | Small Fruit, C. and B. .... | 420       |
| Sheep, head .....           | 3,150   | Building Brick, cars .....  | 4         |
| Mixed Live Stock, cars..... | 9       | Lumber, feet .....          | 234,000   |
| Corn, bushels .....         | 534,500 | Posts, cars .....           | 2         |
| Wheat, bushels .....        | 357,500 | Walnut Logs, cars .....     | 13        |
| Oats, bushels .....         | 3,000   | Cord Wood, cords .....      | 448       |
| Mixed Grain, cars .....     | 1       | Stone, cars .....           | 8         |
| Hay, bales .....            | 5,592   | Sand, cars .....            | 2         |
| Barley, bushels .....       | 1,000   | Wool, pounds .....          | 1,778     |
| Flour, barrels .....        | 95,990  | Feathers, pounds .....      | 280       |
| Apples, barrels .....       | 4,445   | Furs, pounds .....          | 266       |
| Eggs, dozen .....           | 87,003  | Cheese, pounds .....        | 90        |
| Butter, pounds .....        | 54,482  | Nursery Stock, pounds ..... | 338       |
| Poultry, pounds .....       | 363,420 | Castor Beans, pounds .....  | 24,000    |
| Dressed Meat, pounds .....  | 2,131   | Mill Feed, pounds .....     | 3,160,000 |
| Game, pounds .....          | 4,616   | Clover Seed, bushels .....  | 465       |
| Fish, pounds .....          | 1,190   | Broom Corn, cars .....      | 2         |
| Hides, pounds .....         | 252,305 |                             |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.       | Average<br>Valuation. |
|-------------------------------|---------|--------------|-----------------------|
| Lands, acres.....             | 419,572 | \$5,896,504  | \$14.05               |
| Town Lots .....               | 8,786   | 1,980,306    |                       |
| Horses .....                  | 11,655  | 273,425      | 23.45                 |
| Mules .....                   | 5,888   | 144,965      | 24.64                 |
| Cattle .....                  | 20,949  | 427,065      | 14.26                 |
| Sheep .....                   | 4,961   | 5,540        | 1.11                  |
| Hogs .....                    | 38,140  | 109,225      | 2.86                  |
| Money, bonds and notes .....  |         | 1,295,838    |                       |
| Other personal property ..... |         | 999,737      |                       |
| Railroad property .....       |         | 929,077      |                       |
| Telegraph property .....      |         | 15,337       |                       |
| Total taxable wealth .....    |         | \$12,078,719 |                       |

## GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit acreage, apple, 5,000; peach, 800; small fruit, 300; average value of improved land, per acre, \$45; average monthly wages farm labor, summer, \$17; winter, \$13; average weekly wages, domestic help, \$2; average number farm hands in county, 800; average number months employed during year, 7; most profitable products, corn, hay and stock; number public schools, 144; number teachers, 203; number pupils, 11,168; average school tax levy on \$100, 46 cents; permanent school fund, \$29,738.83.

## CITIES AND TOWNS.

MARSHALL, the county seat, is located near the center of the county, on the C. & A. and Missouri Pacific Railroads. It has a population of about 5,000. The city supports five newspapers, four banks, three public schools and Missouri Valley College (Cumberland Presbyterian), nine churches, and seven fraternal societies. There are also two flouring mills, a carriage factory and ice plant. The city is supplied with water and electric lights by corporations. The streets are wide and well graded and Marshall is a beautiful place in which to live. Other important towns in Saline County are:

|  | Population. |
|--|-------------|
| Slater (Freight Division on C. & A. Ry.).... | 2,800       |
| Sweet Springs .....                          | 1,600       |
| Miami .....                                  | 800         |
| Blackburn .....                              | 500         |
| Malta Bend .....                             | 400         |
| Mt. Leonard .....                            | 200         |
| Shackleford .....                            | 200         |

## SCHUYLER COUNTY.

Population 12,500.

Railroads: K. & W. and Wabash.

Located in the northern tier of counties; 50 miles from the eastern line of the State. It has an area of 336 square miles and is rolling in the eastern and western portions, while the central is level prairie. Eighty per cent of the land is tillable and 20 per cent is timbered. The soil is a black loam, produces well, especially all the grasses. The Chariton, Fabius and Salt Rivers furnish excellent drainage. The county is underlaid with coal, which is being mined more extensively each year. Fuel is cheap and good water abundant.



## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 28 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....        | 10 bushels             | .60                   | 5.25                    |
| Oats .....         | 18 bushels             | .14                   | 4.50                    |
| Potatoes .....     | 75 bushels             | .20                   | 15.00                   |
| Timothy Seed ..... | 24 bushels             | 2.00                  | 5.00                    |
| Clover Seed .....  | 8 bushels              | 3.50                  | 5.50                    |
| Clover Hay .....   | 2 tons                 | 6.00                  | 5.50                    |
| Timothy Hay .....  | 1½ tons                | 6.00                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

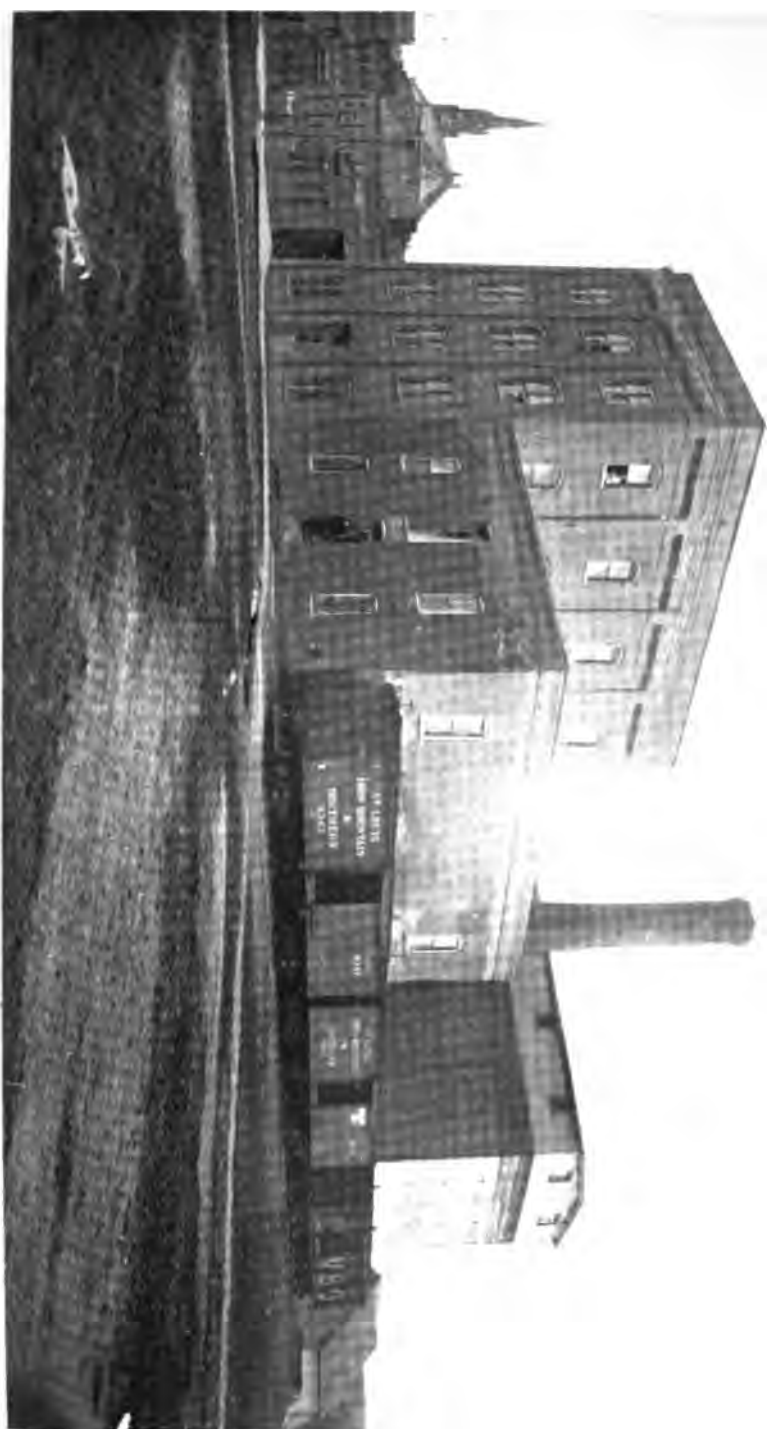
|                                  |         |  |         |
|----------------------------------|---------|--|---------|
| Cattle, Hogs and Sheep, head ... | 62,597  | Poultry, Dressed Meat, Game,<br>pounds ..... | 336,551 |
| Horses and Mules, head .....     | 1,402   | Hides and Tallow, pounds .....               | 47,025  |
| Mixed Live Stock, cars .....     | 13      | Lumber, feet .....                           | 225,000 |
| Wheat, Corn, Oats, bushels ..... | 98,000  | Cross Ties .....                             | 33,686  |
| Mixed Grain, cars .....          | 10      | Coal, tons .....                             | 260     |
| Hay, bales .....                 | 13,048  | Wool, pounds .....                           | 327,207 |
| Flour, barrels .....             | 393     | Feathers, pounds .....                       | 3,438   |
| Apples, barrels .....            | 1,401   | Nursery Stock, pounds .....                  | 7,550   |
| Tobacco, pounds .....            | 306,335 | Ship Stuff, pounds .....                     | 240,000 |
| Eggs, dozen .....                | 413,907 | Gross Seed, bushels .....                    | 13,321  |
| Butter, pounds .....             | 119,159 |  |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 194,569 | \$1,368,296 | \$ 7.08               |
| Town Lots .....               | 3,664   | 245,492     |                       |
| Horses .....                  | 8,146   | 170,239     | 20.80                 |
| Mules .....                   | 655     | 16,069      | 24.53                 |
| Cattle .....                  | 13,663  | 159,485     | 11.59                 |
| Sheep .....                   | 27,521  | 27,574      | 1.00                  |
| Hogs .....                    | 20,070  | 49,224      | 2.44                  |
| Money, bonds and notes .....  |         | 288,504     |                       |
| Other personal property ..... |         | 204,406     |                       |
| Railroad property .....       |         | 814,767     |                       |
| Telegraph property .....      |         | 4,210       |                       |
| Total taxable wealth .....    |         | \$2,827,231 |                       |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 1,000; average value of improved land, per acre, \$30; unimproved, \$10; average monthly wages farm labor, summer, \$15; winter, \$12; average weekly wages, domestic help, \$1.50; average number farm hands in county, 200; average number months employed during year, 6; most profitable products, corn and grass; number public schools, 61; number teachers, 92; number pupils, 4,024; average school tax levy on \$100, 42 cents; permanent school fund, \$7,176.88.



VIEW OF DE LILLE MILLING CO. 'S FLOUR MILLS, JEFFERSON CITY, MO.

2

## TOWNS.

LANCASTER, the county seat, is located on the Keokuk & Western Railroad and has a population of 1,200. It has three newspapers, three banks, one public school, three churches, five fraternal orders, one flouring mill and good streets. Other towns in the county are:

|                  | Population. |
|------------------|-------------|
| Queen City ..... | 650         |
| Downing .....    | 600         |
| Glenwood .....   | 450         |
| Greentop .....   | 250         |

## SCOTLAND COUNTY.

Population 14,000.

Railroads: A., T. & S. F. and Keo. & W.

Northeastern part of the State, bordering on the Iowa line; 170 miles northwest of St. Louis, area, 440 square miles. The surface is undulating prairie with timber along the streams. About 80 per cent of the land is tillable. Nearly 20 per cent of the land is covered with oak, hickory, ash and elm timber. The soil is a dark loam and very productive. The Fabius, Wyaconda and Fox Rivers and their tributaries drain the county. Plenty of sandstone and limestone for building purposes is found; also clay for brick and tile manufacture. Wood sells at \$2 per cord and coal at \$2.25 per ton.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1898.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 22 bushels             | \$0.18                | \$5.50                  |
| Wheat .....       | 12 bushels             | .60                   | 5.50                    |
| Oats .....        | 23 bushels             | .15                   | 4.25                    |
| Potatoes.....     | 100 bushels            | .25                   | 14.00                   |
| Timothy Seed..... | 3½ bushels             | 2.00                  | 5.50                    |
| Clover Seed ..... | 2½ bushels             | 4.00                  | 6.00                    |
| Clover Hay .....  | 2 tons                 | 6.00                  | 5.75                    |
| Timothy Hay.....  | 1½ tons                | 6.00                  | 5.50                    |
| Prairie Hay.....  | 1 ton                  | 4.00                  | 4.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                            |         |
|------------------------------|---------|----------------------------|---------|
| Cattle, head .....           | 5,377   | Game, pounds .....         | 825     |
| Hogs, head .....             | 31,402  | Hides, pounds .....        | 33,620  |
| Horses and Mules, head ..... | 2,060   | Building Brick, cars ..... | 7       |
| Sheep, head .....            | 2,160   | Lumber, feet .....         | 63,000  |
| Mixed Live Stock, cars ..... | 5       | Logs, cars .....           | 1       |
| Wheat, bushels .....         | 1,000   | Cross Ties .....           | 16,290  |
| Corn, bushels .....          | 79,300  | Cord Wood, cords .....     | 720     |
| Oats, bushels .....          | 149,450 | Wool, pounds .....         | 36,000  |
| Mixed Grain, cars .....      | 11      | Cooperage, cars .....      | 8       |
| Hay, bales .....             | 23,067  | Feathers, pounds .....     | 260     |
| Flour, barrels .....         | 1,150   | Vegetables, pounds .....   | 47,545  |
| Apples, barrels .....        | 310     | Molasses, gallons .....    | 126     |
| Eggs, dozen .....            | 410,573 | Ship Stuff, pounds .....   | 448,000 |
| Butter, pounds .....         | 61,058  | Grass Seed, bushels .....  | 16,607  |
| Poultry, pounds .....        | 632,560 | Pickles, cars .....        | 13      |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 278,145 | \$1,950,380 | \$ 7.01            |
| Town Lots .....               | 2,385   | 218,480     |                    |
| Horses .....                  | 10,550  | 218,582     | 20.24              |
| Mules .....                   | 1,182   | 26,250      | 22.21              |
| Cattle .....                  | 14,384  | 186,160     | 12.94              |
| Sheep .....                   | 5,819   | 6,950       | 1.19               |
| Hogs .....                    | 11,900  | 32,400      | 2.70               |
| Money, bonds and notes .....  |         | 469,800     |                    |
| Other personal property ..... |         | 202,350     |                    |
| Railroad property .....       |         | 348,166     |                    |
| Telegraph property .....      |         | 8,765       |                    |
| Total taxable wealth .....    |         | \$3,816,323 |                    |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 2,000; small fruits, 160; average value of improved land, per acre, \$30; unimproved, \$15; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.25; average number farm hands in county, 250; average number months employed during year, 6; most profitable industry, stock raising; number public schools, 75; number teachers, 114; number pupils, 4,132; average school tax levy on \$100, 42 cents; permanent school fund, \$10,089.69.

## TOWNS.

MEMPHIS, the county seat, is located on the Keo. & W. Railroad. It has a population of about 2,500, supports four newspapers, three banks, one public school, six churches, and six fraternal societies. It also has a flouring mill, ax handle factory, wagon factory, pickle works, foundry and brick yard. Electric lights are operated by a corporation and water works are owned and operated by the city.

Manufacturing enterprises will be welcomed by the people of Memphis. There are four other important towns in the county:

|                | Population. |
|----------------|-------------|
| Gorin .....    | 900         |
| Rutledge ..... | 400         |
| Granger .....  | 300         |
| Arbella .....  | 250         |

## SCOTT COUNTY.

Population 18,000.

Railroads: St. L., I. M. & S. and St. L., C. G. & S.

Located on the eastern border, three counties from the southern line and 100 miles south of St. Louis. It has an area of 434 square miles. The northern half of the county is a rolling prairie and the southern an alluvial plain, with black sandy loam, very fertile. The soil of the uplands is of a clay formation. Eighty per cent of the land is tillable and 40 per cent of it is yet in timber, of the varieties of oak, walnut, cypress, gum and poplar. Some limestone is found which is used for building purposes. The county is drained by small creeks and runs emptying into the Mississippi River, which flows along the eastern border.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.20                | \$4.50                  |
| Wheat .....       | 18 bushels             | .56                   | 4.50                    |
| Oats .....        | 20 bushels             | .30                   | 4.25                    |
| Potatoes .....    | 75 bushels             | .30                   | 14.00                   |
| Clover Hay .....  | 1½ tons                | 9.00                  |                         |
| Timothy Hay ..... | 1½ tons                | 9.50                  |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                 |           |                            |           |
|---------------------------------|-----------|----------------------------|-----------|
| Cattle and Hogs, head .....     | 14,261    | Dressed Meat, pounds ..... | 233       |
| Horses and Mules, head .....    | 23        | Hides, pounds .....        | 42,751    |
| Mixed Live Stock, cars .....    | 16        | Lard, pounds .....         | 890       |
| Wheat, Corn, Oats, bushels .... | 469,000   | Building Brick, cars ..... | 3         |
| Mixed Grain, cars .....         | 1         | Lumber, feet .....         | 447,000   |
| Hay, bales .....                | 3,262     | Wool, pounds .....         | 3,347     |
| Rye, bushels .....              | 24        | Feathers, pounds .....     | 1,225     |
| Flour, barrels .....            | 68,466    | Furs, pounds .....         | 5,591     |
| Potatoes, bushels .....         | 618       | Vegetables, pounds .....   | 642,993   |
| Melons .....                    | 1,569,000 | Cheese, pounds .....       | 225       |
| Eggs, dozen ..                  | 116,612   | Fruit, pounds .....        | 94,475    |
| Butter, pounds .....            | 4,715     | Mill Feed, pounds .....    | 5,820,000 |
| Poultry and Game, pounds .....  | 204,525   | Clover Seed, bushels ..... | 1,211     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 280,911 | \$1,561,310 | \$ 5.96            |
| Town Lots.....               | 2,497   | 811,310     |                    |
| Horses.....                  | 3,603   | 80,789      | 22.43              |
| Mules.....                   | 3,120   | 78,939      | 25.30              |
| Cattle.....                  | 8,365   | 69,002      | 7.52               |
| Sheep.....                   | 1,304   | 1,472       | 1.05               |
| Hogs.....                    | 24,436  | 42,807      | 1.74               |
| Money, bonds and notes.....  |         | 402,549     |                    |
| Other personal property..... |         | 222,455     |                    |
| Railroad property.....       |         | 281,000     |                    |
| Telegraph property.....      |         | 3,329       |                    |
| Total taxable wealth.....    |         | \$3,109,262 |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 600; peach, 300; small fruits, 80; average value of improved land, per acre, \$20; unimproved, \$6; average monthly wages farm labor, summer, \$15; winter, \$15; average weekly wages, domestic help, \$1.75; average number farm hands in county, 300; average number months employed during year, 6; most profitable products, corn and stock; number public schools, 43; number teachers, 56; number pupils, 4,364; average school tax levy on \$100, 58 cents; permanent school fund, \$11,946.27.

## TOWNS.

BENTON, the county seat, is located near the center of the county on the Morley and Commerce branch of the Iron Mountain system. It has two newspapers, two churches, two fraternal orders. Other towns in the county are Moreley, population, 250, which is the shipping point for a large watermelon area, and

|                | Population. |
|----------------|-------------|
| Saxton .....   | 500         |
| Commerce ..... | 300         |
| Oran .....     | 200         |
| Logic .....    | 200         |

## SHANNON COUNTY.

Population 12,000.

Railroads: K. C., Ft. S. & M.

Southeastern part of the State, 135 miles southwest of St. Louis; area, 960 square miles; surface, uneven. Large pine and oak forests cover 85 per cent of the county. The soil is fertile in the valleys and

quite productive. The uplands are chiefly adapted for grazing. The county is watered and drained by the Current River, Jack's Fork and Mineral Creek. Plenty of lime and sandstone are to be found. Lead, iron and copper have been discovered, but not in paying quantities. Fuel is an item of very trifling expense, wood selling at \$1 a cord. Yellow pine lumber is the chief export, of which nearly 20,000,000 feet are exported annually. The climate is mild and healthful.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896. |                   | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------|-------------------|------------------------|-----------------------|-------------------------|
|       | Corn .....        | 80 bushels             | \$0.80                | \$5.50                  |
|       | Wheat .....       | 9 bushels              | .60                   | 5.00                    |
|       | Oats .....        | 23 bushels             | .80                   | 4.25                    |
|       | Potatoes .....    | 80 bushels             | .40                   | 16.00                   |
|       | Clover Hay .....  | 2 tons                 | 7.00                  | 7.00                    |
|       | Timothy Hay ..... | 1½ tons                | 7.50                  | 7.00                    |

### SURPLUS PRODUCTS SHIPPED.

|                    |            |                        |        |
|--------------------|------------|------------------------|--------|
| Cattle, head ..... | 350        | Cross Ties .....       | 58,282 |
| Hogs, head .....   | 1,040      | Cord Wood, cords ..... | 7      |
| Lumber, feet ..... | 18,360,000 |                        |        |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.                | No.     | Value.             | Average<br>Valuation. |
|-----------------------------------|---------|--------------------|-----------------------|
| Lands, acres .....                | 580,741 | \$1,848,880        | \$ 2.32               |
| Town Lots .....                   | 876     | 59,285             | .....                 |
| Horses .....                      | 2,227   | 48,961             | 21.99                 |
| Mules .....                       | 897     | 22,196             | 24.75                 |
| Cattle .....                      | 6,876   | 51,880             | 7.45                  |
| Sheep .....                       | 2,362   | 2,494              | 1.04                  |
| Hogs .....                        | 10,577  | 15,574             | 1.44                  |
| Money, bonds and notes .....      |         | 81,572             | .....                 |
| Other personal property .....     |         | 160,419            | .....                 |
| Railroad property .....           |         | 123,849            | .....                 |
| Telegraph property .....          |         | 2,129              | .....                 |
| <b>Total taxable wealth .....</b> |         | <b>\$1,865,899</b> |                       |

### GENERAL STATISTICS.

Average size of farms, 150 acres; average fruit acreage, apple, 2,000; peach, 300; small fruits, 40; average value of improved land, per acre, \$10; unimproved, \$2; average monthly wages farm labor, summer, \$15; winter, \$14; average weekly wages, domestic help, \$1.50; average number farm hands in county, 100; average number months employed during year, 5; most profitable industry, stock raising; num



ber public schools, 52; number teachers, 63; number pupils, 3,279; average school tax levy on \$100, 60 cents; permanent school fund, \$14.076.06.

## TOWNS.

EMINENCE, the county seat, is located on the Current River near the center of the county. It has a population of about 200, and supports a newspaper, bank, school, two fraternal societies, one saw mill. The town is about 12 miles from the Current River branch of the Memphis Railroad. Two other important towns in the county, both on the railroad, are Winona and Birch Tree, both having large lumber mills and a population of about 400.

## SHELBY COUNTY.

Population 18,000.

Railroads: H. & St. J.

Located in the northeastern part of the State; 130 miles northwest of St. Louis, with an area of 514 square miles. The surface is hilly, excepting the land adjacent the water courses. The soil is a black loam on lowlands and a light colored formation on uplands. Salt River, North River and Jake Creek flow through the county, affording good drainage. Eighty-five per cent of the land is tillable and 15 per cent is covered with timber. Some sand and limestone are found, which are utilized for building purposes. Good water is abundant and fuel cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 27 bushels             | \$0.20                | \$5.25                  |
| Wheat .....       | 10 bushels             | .60                   | 5.25                    |
| Oats .....        | 25 bushels             | .16                   | 4.00                    |
| Rye .....         | 20 bushels             | .45                   | 6.50                    |
| Flax .....        | 12 bushels             | .50                   | 6.25                    |
| Potatoes.....     | 150 bushels            | .35                   | 15.00                   |
| Timothy Seed..... | 34 bushels             | 1.50                  | 5.50                    |
| Clover Seed.....  | 24 bushels             | 3.50                  | 6.00                    |
| Clover Hay.....   | 2 tons                 | 5.50                  | 6.50                    |
| Timothy Hay.....  | 1½ tons                | 6.00                  | 6.00                    |
| Tobacco .....     | 1100 pounds            |                       | 36.00                   |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                             |         |
|------------------------------|---------|-----------------------------|---------|
| Cattle and Hogs, head .....  | 64,513  | Hides, pounds .....         | 45,335  |
| Horses and Mules, head ..... | 2,421   | Tallow, pounds .....        | 26,079  |
| Sheep, head .....            | 5,760   | Small Fruit, C. and B. .... | 22      |
| Mixed Live Stock, cars ..... | 5       | Lumber, feet .....          | 603,000 |
| Wheat, bushels .....         | 500     | Logs, cars .....            | 3       |
| Corn and Oats, bushels ..... | 67,500  | Posts, cars .....           | 49      |
| Rye, bushels .....           | 600     | Cross Ties .....            | 78,373  |
| Hay, bales .....             | 17,941  | Piling, cars .....          | 162     |
| Flour, barrels .....         | 250     | Cord Wood, cords .....      | 56      |
| Grass Seed, bushels .....    | 5,708   | Wool, pounds .....          | 46,960  |
| Apples, barrels .....        | 133     | Cooperage, cars .....       | 18      |
| Potatoes, bushels .....      | 69      | Feathers, pounds .....      | 9,022   |
| Tobacco, pounds .....        | 1,000   | Furs, pounds .....          | 270     |
| Eggs, dozen .....            | 357,330 | Honey, pounds .....         | 1,568   |
| Butter, pounds .....         | 21,856  | Molasses, gallons .....     | 1,020   |
| Poultry, pounds .....        | 562,163 | Nuts, bushels .....         | 63      |
| Dressed Meat, pounds .....   | 801     | Beeswax, pounds .....       | 160     |
| Game, pounds .....           | 5,746   | Pop Corn, bushels .....     | 21      |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 316,925 | \$2,567,118 | \$ 8.10            |
| Town Lots.....               | 1,792   | 479,025     |                    |
| Horses .....                 | 10,574  | 262,079     | 21.90              |
| Mules.....                   | 2,558   | 57,101      | 22.31              |
| Cattle .....                 | 14,008  | 160,805     | 12.06              |
| Sheep.....                   | 7,810   | 10,280      | 1.31               |
| Hogs .....                   | 15,204  | 36,938      | 2.42               |
| Money, bonds and notes ..... |         | 1,088,786   |                    |
| Other personal property..... |         | 846,144     |                    |
| Railroad property .....      |         | 804,645     |                    |
| Telegraph property .....     |         | 3,315       |                    |
| Total taxable wealth .....   |         | \$5,329,711 |                    |

## GENERAL STATISTICS.

Average size of farms, 80 acres; average fruit acreage, apple, 1,000; peach, 100; small fruits, 400; average value of improved land, per acre, \$35; unimproved, \$12; average monthly wages farm labor, summer, \$16; winter, \$12; average weekly wages, domestic help, \$2; average number farm hands in county, 350; average number months employed during year, 5; most profitable products, corn, wheat and stock; number public schools, 81; number teachers, 125; number pupils, 5,592; average school tax levy on \$100, 40 cents; permanent school fund, \$23,531.34.

## TOWNS.

SHELBYVILLE, the county seat, is located near the center of the county on Jake Creek, eight miles from the Burlington Railroad. It has a population of 750, two newspapers, two banks, one public

school, five churches, four fraternal orders, one flouring mill. Other towns of importance in the county are:

|                 | Population. |
|-----------------|-------------|
| Shelbina .....  | 2,000       |
| Clarence .....  | 1,200       |
| Hunnewell ..... | 500         |
| Bethel .....    | 300         |
| Leonard .....   | 175         |

## STODDARD COUNTY.

Population 20,000.

Railroads: St. L., C. G. & Ft. S., St. L. S. W., Mo. & S. E. and St. L., I. M. & S.

Southeastern part of the State; 125 miles southwest of St. Louis; area, 840 square miles. The surface is generally level in the eastern part, central and western part rolling. The county is about half prairie and half timber and the soil along the streams is a rich dark sandy loam, very productive; uplands are fertile and productive if well cultivated. The timber is principally oak, gum and cypress, of which large quantities are sawed and exported. The county is watered by the St. Francois, Castor and Little Rivers. Lime and sandstone and porcelain clay are found. Wood is the principal fuel, price, \$2 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 35 bushels             | \$0.20.               | \$ 5.75                 |
| Wheat .....       | 10 bushels             | .55                   | 5.25                    |
| Oats .....        | 25 bushels             | .20                   | 4.25                    |
| Potatoes .....    | 100 bushels            | .40                   | 14.00                   |
| Clover Hay .....  | 2 tons                 | 9.50                  | 6.60                    |
| Timothy Hay ..... | 1½ tons                | 10.00                 | 6.25                    |
| Cotton .....      | 1500 pounds            | 2.40 per cwt.         | 12.00                   |
|                   |                        | (Seed Cotton)         |                         |

## SURPLUS PRODUCTS SHIPPED.

|                                |         |                            |            |
|--------------------------------|---------|----------------------------|------------|
| Cattle, head .....             | 3,150   | Game, pounds .....         | 1,141      |
| Hogs, head .....               | 4,720   | Lard, pounds .....         | 30         |
| Horses and Mules, head .....   | 40      | Hides, pounds .....        | 9,000      |
| Sheep, head .....              | 180     | Small Fruit, crates .....  | 26         |
| Mixed Live Stock, cars .....   | 1       | Building Brick, cars ..... | 14         |
| Wheat, bushels .....           | 23,000  | Lumber, feet .....         | 21,438,000 |
| Corn, bushels .....            | 51,440  | Walnut Logs, cars .....    | 185        |
| Oats, bushels .....            | 180     | Cross Ties .....           | 174,750    |
| Mixed Grain, cars .....        | 106     | Lime, barrels .....        | 150        |
| Hay, bales .....               | 2,097   | Wool, pounds .....         | 200        |
| Flour, barrels .....           | 22,405  | Feathers, pounds .....     | 343        |
| Melons .....                   | 73,782  | Furs, pounds .....         | 1,108      |
| Cotton Seed Products pounds .. | 679,220 | Vegetables, pounds .....   | 1,411,082  |
| Cotton Seed, bushels .....     | 510,000 | Dried Fruit, pounds .....  | 5,670      |
| Cotton, bales .....            | 2,400   | Cheese, pounds .....       | 20         |
| Eggs, dozen .....              | 164,365 | Peas, pounds .....         | 22,015     |
| Butter, pounds .....           | 163     | Ship Stuff, pounds .....   | 409,680    |
| Poultry, pounds .....          | 245,284 | Grass Seed, bushels .....  | 381        |
| Dressed Meat, pounds .....     | 3,128   | Corn Meal, pounds .....    | 240,000    |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 486,517 | \$1,898,157 | \$ 3.89            |
| Town Lots .....               | 2,073   | 279,331     | .....              |
| Horses .....                  | 6,896   | 145,149     | 22.69              |
| Mules .....                   | 2,629   | 63,710      | 24.22              |
| Cattle .....                  | 10,961  | 82,062      | 7.48               |
| Sheep .....                   | 4,083   | 4,215       | 1.04               |
| Hogs .....                    | 37,529  | 57,056      | 1.51               |
| Money, bonds and notes .....  | .....   | 157,956     | .....              |
| Other personal property ..... | .....   | 216,322     | .....              |
| Railroad property .....       | .....   | 559,719     | .....              |
| Telegraph property .....      | .....   | 6,886       | .....              |
| Total taxable wealth .....    | .....   | \$3,470,563 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 700; peach, 300; average value of improved land, per acre, \$20; unimproved, \$7; average monthly wages farm labor, summer, \$15; winter, \$15; average weekly wages, domestic help, \$1.50; average number farm hands in county, 400; average number months employed during year, 7; most profitable products, corn, cotton and stock; number public schools, 93; number teachers, 103; number pupils, 8,716; average school tax levy on \$100, 54 cents; permanent school fund, \$18,649.63.

## TOWNS.

BLOOMFIELD is the county seat, population about 1,000. It is located at the terminus of Mo. & S. E. Railroad and has two news-

papers, one bank, one public school, three churches, three fraternal orders, also a flouring mill, stair manufactory, saw mill and cooperage works. Other enterprises are invited. The other towns in the county are:

|               | Population. |
|---------------|-------------|
| Dexter .....  | 1,200       |
| Puxico .....  | 400         |
| Bernie .....  | 300         |
| Advance ..... | 250         |

### STONE COUNTY.

Population 9,000.

(No Railroads.)

It is the third county from the western border in the southern tier of counties and has an area of 516 square miles. It is 216 miles southwest of St. Louis in the heart of the Ozark hills. Fifty per cent of the land is covered with timber. The soil is of a reddish cast and very fertile. The White and James Rivers flow through the county, forming much picturesque scenery. A trace of mineral is found, but has never been mined extensively. Cotton rock, blue limestone, and onyx are found in large quantities. Wood is the principal fuel and sells at \$1.75 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 25 bushels             | \$0.25                | \$ 5.25                 |
| Wheat .....       | 12 bushels             | .55                   | 5.00                    |
| Oats .....        | 20 bushels             | .25                   | 4.25                    |
| Potatoes .....    | 75 bushels             | .20                   | 14.00                   |
| Clover Seed ..... | 2 bushels              | 5.00                  |                         |
| Clover Hay .....  | 2 tons                 | 5.00                  |                         |
| Tobacco .....     | 800 pounds             | .10                   |                         |

### SURPLUS PRODUCTS SHIPPED.

|                       |       |                           |        |
|-----------------------|-------|---------------------------|--------|
| Cattle, head .....    | 2,400 | Wool, pounds .....        | 6,000  |
| Hogs, head .....      | 4,480 | Tobacco, pounds .....     | 1,005  |
| Sheep, head .....     | 990   | Eggs, dozen .....         | 20,010 |
| Wheat, bushels .....  | 3,000 | Poultry, pounds .....     | 15,000 |
| Corn, bushels .....   | 500   | Game, pounds .....        | 936    |
| Apples, barrels ..... | 200   | Feathers, pounds .....    | 897    |
| Cross Ties .....      | 362   | Dried Fruit, pounds ..... | 919    |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.    | Average Valuation. |
|------------------------------|---------|-----------|--------------------|
| Lands, acres.....            | 202,475 | \$628,384 | \$ 3.10            |
| Town lots.....               | 344     | 82,488    |                    |
| Horses.....                  | 4,855   | 86,191    | 20.22              |
| Mules.....                   | 1,085   | 24,808    | 22.68              |
| Cattle.....                  | 9,142   | 70,966    | 7.76               |
| Sheep.....                   | 3,866   | 3,723     | .96                |
| Hogs.....                    | 20,726  | 83,275    | 1.59               |
| Money, bonds and notes.....  |         | 72,551    |                    |
| Other personal property..... |         | 88,865    |                    |
| Railroad property.....       |         |           |                    |
| Telegraph property.....      |         |           |                    |
| Total taxable wealth.....    |         |           |                    |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 1,500; peach, 250; small fruits, 200; average value of improved land, per acre, \$20; unimproved, \$6; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 300; average number months employed during year, 6; most profitable products, fruit and stock; number public schools, 50; number teachers, 54; number pupils, 3,629; average school tax levy on \$100, 54 cents; permanent school fund, \$8,388.62

## TOWNS.

GALENA is the county seat and is located near the center of the county. It has a population of about 400; two newspapers, one bank, two churches, two fraternal orders, one public school. Other towns are:

|             | Population. |
|-------------|-------------|
| Crane ..... | 50          |
| Union ..... | 50          |

## SULLIVAN COUNTY.

Population 21,000.

Railroads: C., B. & K. C.; C., M. & St. P., and Q., O. & K. C.

Northern part of the State, central county east and west and second from the Iowa line; 180 miles northwest of St. Louis; area, 656 square miles; surface undulating, chiefly prairie; soil fertile, dark and

light sandy loam. Eighty per cent of the land is tillable and 20 per cent is in timber of the usual North Missouri varieties. The county is watered by Medicine and Locust Creeks. There are also plenty of springs and wells. Coal underlies most of the county, but mining has not been carried on to any great extent. Plenty of building stone and fire clay are found. Coal and wood are very cheap, selling at \$1.75 per ton and \$1.75 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 33 bushels             | \$0.19                | \$ 6.00                 |
| Wheat .....        | 15 bushels             | .60                   | 5.75                    |
| Oats .....         | 25 bushels             | .15                   | 4.50                    |
| Potatoes .....     | 100 bushels            | .25                   | 13.00                   |
| Timothy Seed ..... | 3 bushels              | 2.00                  | 5.25                    |
| Clover Seed .....  | 2 bushels              | 3.00                  | 5.50                    |
| Clover Hay .....   | 2 tons                 | 5.50                  | 5.75                    |
| Timothy Hay .....  | 1½ tons                | 6.00                  | 5.50                    |

### SURPLUS PRODUCTS SHIPPED.

|                              |         |                            |        |
|------------------------------|---------|----------------------------|--------|
| Cattle, head .....           | 17,900  | Building Brick, cars ..... | 1      |
| Hogs, head .....             | 29,840  | Lumber, feet .....         | 36,000 |
| Horses, Mules, head .....    | 1,400   | Logs, cars .....           | 1      |
| Sheep, head .....            | 720     | Walnut Logs, cars .....    | 4      |
| Mixed Live Stock, cars ..... | 2       | Cross Ties .....           | 9,330  |
| Wheat, bushels .....         | 513     | Piling, cars .....         | 1      |
| Corn, bushels .....          | 27,000  | Cord Wood, cords .....     | 217    |
| Mixed Grain, cars .....      | 1       | Posts, cars .....          | 5      |
| Hay, bales .....             | 1,165   | Stone, cars .....          | 3      |
| Flour, barrels .....         | 547     | Wool, pounds .....         | 41,335 |
| Ship Stuff, pounds .....     | 98,370  | Cooperage, cars .....      | 3      |
| Apples, barrels .....        | 291     | Feathers, pounds .....     | 360    |
| Eggs, dozen .....            | 323,223 | Furs, pounds .....         | 506    |
| Butter, pounds .....         | 86,655  | Vegetables, pounds .....   | 16,290 |
| Poultry, pounds .....        | 363,069 | Molasses, gallons .....    | 123    |
| Dressed Meat, pounds .....   | 560     | Cheese, pounds .....       | 80,155 |
| Game, pounds .....           | 10,657  | Nuts, bushels .....        | 25     |
| Hides, pounds .....          | 41,918  | Broom Corn, cars .....     | 1      |
| Tallow, pounds .....         | 5,010   | Grass Seed, bushels .....  | 4,413  |

### ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 411,923 | \$2,753,488 | \$ 6.67               |
| Town Lots .....               | 2,917   | 276,761     |                       |
| Horses .....                  | 14,494  | 309,890     | 21.37                 |
| Mules .....                   | 1,547   | 35,147      | 23.71                 |
| Cattle .....                  | 30,696  | 442,636     | 14.42                 |
| Sheep .....                   | 6,722   | 6,707       | 1.00                  |
| Hogs .....                    | 19,718  | 39,665      | 2.00                  |
| Money, bonds and notes .....  |         | 421,696     |                       |
| Other personal property ..... |         | 322,337     |                       |
| Railroad property .....       |         | 454,296     |                       |
| Telegraph property .....      |         | 5,094       |                       |
| Total taxable wealth .....    |         | \$5,087,232 |                       |

## GENERAL STATISTICS.

Average size of farms, 90 acres; average fruit acreage, apple, 2,000; peach, 100; cherry, 200; small fruits, 200; average value of improved land, per acre, \$33; unimproved, \$15; average monthly wages farm labor, summer, \$16; winter, \$12; average weekly wages, domestic help, \$2; average number farm hands in county, 400; average number months employed during year, 6; most profitable industry, stock raising; number public schools, 125; number teachers, 135; number pupils, 6,877; average school tax levy on \$100, 45 cents; permanent school fund, \$18,006.67.

## TOWNS.

MILAN, the county seat, has a population of about 2,000. It is centrally located on the C., B. & K. C. and Q., O. & K. C. Railroads. The town has two newspapers, two banks, one public school, graded, with seven teachers, six churches and six fraternal orders. It also has a flouring mill, cheese factory, broom factory, cigar factory and brick yard. The streets are graded and partially macadamized. Some of the other towns in Sullivan County are:

|                    | Population. |
|--------------------|-------------|
| Green City .....   | 500         |
| Humphreys .....    | 400         |
| Newtown .....      | 350         |
| Green Castle ..... | 300         |
| Browning .....     | 130         |

## TANEY COUNTY.

Population 10,500.

(No Railroads.)

Located a little west of center in the southern tier of counties; 220 miles southwest of St. Louis. It has an area of 660 square miles, a very broken surface, 65 per cent of which is covered with timber. About 50 per cent of the county is tillable, the soil of the valleys being black loam, and that of the upland and ridges a loose, gravelly loam or leaf mould. White River and Big Beaver River flow through the county, affording excellent drainage and much beautiful scenery. A trace of lead and zinc is found, but has never been developed. Excellent stone for building purposes is also abundant.



## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | • Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-------------------------|-------------------------|
| Corn .....        | 22 bushels             | \$0.30                  | \$ 5.50                 |
| Wheat .....       | 10 bushels             | .55                     | 5.25                    |
| Oats .....        | 20 bushels             | .25                     | 4.25                    |
| Potatoes .....    | 200 bushels            | .20                     | 15.00                   |
| Clover Hay .....  | 2 tons                 | 8.00                    | 5.00                    |
| Timothy Hay ..... | 1½ tons                | 10.00                   | 5.00                    |
| Tobacco .....     | 800 pounds             | .05                     | 14.00                   |

## SURPLUS PRODUCTS SHIPPED.

|                              |       |                       |       |
|------------------------------|-------|-----------------------|-------|
| Cattle, head .....           | 1,511 | Tobacco, pounds ..... | 2,000 |
| Hogs, head .....             | 3,040 | Eggs, dozen .....     | 6,700 |
| Horses and Mules, head ..... | 120   | Poultry, pounds ..... | 6,000 |
| Sheep, head .....            | 270   | Game, pounds .....    | 3,000 |
| Wool, pounds .....           | 1,500 |                       |       |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.    | Average<br>Valuation. |
|-------------------------------|---------|-----------|-----------------------|
| Lands, acres .....            | 176,247 | \$578,525 | \$ 3.25               |
| Town Lots .....               | 1,219   | 23,525    | 21.85                 |
| Horses .....                  | 4,120   | 80,188    | 25.25                 |
| Mules .....                   | 1,047   | 26,450    | 3.69                  |
| Cattle .....                  | 11,851  | 108,080   | 1.00                  |
| Sheep .....                   | 4,036   | 4,001     | 1.25                  |
| Hogs .....                    | 15,110  | 19,072    |                       |
| Money, bonds and notes .....  |         | 38,423    |                       |
| Other personal property ..... |         | 60,204    |                       |
| Railroad property .....       |         |           |                       |
| Telegraph property .....      |         |           |                       |
| Total taxable wealth .....    |         |           |                       |

## GENERAL STATISTICS.

Average size of farms, 100 acres; average fruit acreage, apple, 400; peach, 500; small fruits, 100; average value of improved land, per acre, \$20; unimproved, \$5; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic help, \$1; average number farm hands in county, 300; average number months employed during year, 5; most profitable industry, stock raising; number public schools, 55; number teachers, 59; number pupils, 3,925; average school tax levy on \$100, 65 cents; permanent school fund, \$3,340.49.

## TOWNS.

FORSYTHE, the county seat, is located on a branch of White River near the center of the county. It has a population of 350, one

newspaper, one bank, one public school, one church, two fraternal orders, and good streets. Other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Protem .....       | 350         |
| Kirbyville .....   | 250         |
| Taney City .....   | 150         |
| Bradleyville ..... | 100         |
| Kissee Mills ..... | 100         |

### TEXAS COUNTY.

Population 24,000.

Railroads: K. C. Ft. S. & M.

South central part of the State; 120 miles southwest of St. Louis; area, 1,145 square miles; surface hilly, mostly timber, consisting of oak, pine and walnut; some prairie land in northern part of the county; soil in the valleys along streams is very fertile, but rather thin on the uplands for agricultural purposes. The county is well watered and drained by the Piney River and many small tributaries of the Gasconade. Springs are very numerous and wells are easily obtained. Plenty of stone is found for building purposes and lead and zinc have been discovered. Lack of transportation facilities largely hinders development of the county's natural resources. Fuel is wholly wood, abundant and cheap, selling at \$1 and \$1.50 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 20 bushels             | \$0.85                | \$ 5.00                 |
| Wheat .....       | 10 bushels             | .70                   | 5.00                    |
| Oats .....        | 20 bushels             | .25                   | 4.00                    |
| Potatoes .....    | 100 bushels            | .25                   | 16.00                   |
| Clover Hay .....  | 1½ tons                | 6.50                  | 6.75                    |
| Timothy Hay ..... | 1½ tons                | 7.00                  | 6.50                    |

### SURPLUS PRODUCTS SHIPPED.

|                              |        |                       |           |
|------------------------------|--------|-----------------------|-----------|
| Cattle, head .....           | 5,711  | Apples, barrels ..... | 7,050     |
| Hogs, head .....             | 15,999 | Eggs, dozen .....     | 49,500    |
| Horses and Mules, head ..... | 2,721  | Poultry, pounds ..... | 1,878     |
| Sheep, head .....            | 5,185  | Game, pounds .....    | 2,460     |
| Wheat, bushels .....         | 8,000  | Lumber, feet .....    | 4,320,000 |
| Hay, bales .....             | 466    | Logs, cars .....      | 272       |
| Flour, barrels .....         | 900    |                       |           |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres.....             | 681,912 | \$1,879,010 | \$ 2.97            |
| Town Lots.....                | 1,091   | 114,865     | .....              |
| Horses .....                  | 8,187   | 177,688     | 21.62              |
| Mules .....                   | 2,090   | 51,604      | 24.69              |
| Cattle .....                  | 14,270  | 109,561     | 7.69               |
| Sheep .....                   | 19,128  | 19,421      | 1.01               |
| Hogs .....                    | 28,680  | 36,112      | 1.51               |
| Money, bonds and notes .....  | .....   | 145,115     | .....              |
| Other personal property ..... | .....   | 254,996     | .....              |
| Railroad property .....       | .....   | 224,285     | .....              |
| Telegraph property .....      | .....   | 2,865       | .....              |
| Total taxable wealth .....    | .....   | \$8,015,537 | .....              |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 2,000; peach, 800; small fruits, 160; average value of improved land, per acre, \$10; unimproved, \$1.75; average monthly wages farm labor, summer, \$12; winter, \$12; average weekly wages, domestic help, \$1.25; average number farm hands in county, 300; average number months employed during year, 5; most profitable industry, cattle raising; number public schools, 125; number teachers, 142; number pupils, 8,602; average school tax levy on \$100, 60 cents; permanent school fund, \$15,276.55.

## TOWNS.

HUSTON, is the county seat. It is located near the center of the county and has a population of about 900. The town has two newspapers, one bank, one graded school, four churches, and four fraternal societies. It also has a flouring mill, saw mill and planing mill. Three other towns of importance in Texas County are:

|                    | Population. |
|--------------------|-------------|
| Cabool .....       | 600         |
| Licking .....      | 400         |
| Summersville ..... | 100         |

## VERNON COUNTY.

Population 38,000.

Railroads: Mo. Pac.; M., K. & T.; K. C., P. & G.; N. & M.; Ft. S. & E., and K. C., Ft. S. & M.

Is in the western tier of counties; 95 miles south of Kansas City, and 277 miles southwest of St. Louis. It has an area of 850 square

miles and a very even surface. The soil is light colored, but rich and productive. Ninety per cent of the land is tillable and 30 per cent is covered with timber. Big Drywood, Marmiton and Little Osage Rivers run through the county, affording good drainage. Almost the entire county is underlaid with a rich deposit of coal, the vein varying in thickness from one to four feet. More than 300,000 tons were shipped during the year 1896. Sandstone of good quality is found, which is used extensively for building purposes.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 30 bushels             | \$0.20                | \$ 5.75                 |
| Wheat .....        | 10 bushels             | .55                   | 5.25                    |
| Oats .....         | 25 bushels             | .15                   | 4.25                    |
| Castor Beans ..... | 8 bushels              | .80                   | 5.50                    |
| Flax .....         | 8 bushels              | .56                   | 5.00                    |
| Potatoes .....     | 100 bushels            | .20                   | 12.00                   |
| Timothy Seed ..... | 8 bushels              | 1.50                  | 5.00                    |
| Clover Hay .....   | 1½ tons                | 5.00                  | 5.00                    |
| Timothy Hay .....  | 1½ tons                | 6.25                  | 5.00                    |
| Prairie Hay .....  | 1½ tons                | 3.00                  | 2.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                               |           |
|------------------------------|---------|-------------------------------|-----------|
| Cattle, head .....           | 19,550  | Walnut Logs, cars .....       | 17        |
| Hogs, head .....             | 38,185  | Cross Ties .....              | 1,448     |
| Horses and Mules, head ..... | 1,736   | Mine Piling Props, cars ..... | 34        |
| Sheep, head .....            | 1,350   | Cord Wood, cords .....        | 806       |
| Mixed Live Stock, cars ..... | 129     | Coal, Tons .....              | 299,840   |
| Wheat, bushels .....         | 5,000   | Fire Clay, cars .....         | 112       |
| Corn, bushels .....          | 101,500 | Stone, cars .....             | 3         |
| Oats, bushels .....          | 36,000  | Sand, cars .....              | 2         |
| Mixed Grain, cars .....      | 4       | Wool, pounds .....            | 16,900    |
| Hay, bales .....             | 390,275 | Tobacco, pounds .....         | 35        |
| Flax Seed, bushels .....     | 61,180  | Cooperage, cars .....         | 2         |
| Flour, barrels .....         | 14,834  | Feathers, pounds .....        | 21,387    |
| Potatoes, bushels .....      | 1,215   | Furs, pounds .....            | 1,725     |
| Apples, barrels .....        | 5,633   | Vegetables, pounds .....      | 1,165     |
| Eggs, dozen .....            | 611,745 | Honey, pounds .....           | 54        |
| Butter, pounds .....         | 19,876  | Onions, bushels .....         | 57        |
| Poultry, pounds .....        | 679,174 | Molasses, gallons .....       | 6,195     |
| Dressed Meat, pounds .....   | 25,237  | Cheese, pounds .....          | 90        |
| Game, pounds .....           | 32,869  | Vinegar, gallons .....        | 37        |
| Fish, pounds .....           | 4,485   | Nursery Stock, pounds .....   | 462,670   |
| Hides, pounds .....          | 313,933 | Castor Beans, pounds .....    | 1,067,198 |
| Tallow, pounds .....         | 52,020  | Pop Corn, bushels .....       | 9         |
| Small Fruit, C. and B. ....  | 9,745   | Nuts, bushels .....           | 2,377     |
| Dried Fruit, pounds .....    | 33,269  | Strawberries, crates .....    | 17,176    |
| Building Brick, cars .....   | 53      | Ship Stuff, pounds .....      | 284,300   |
| Lumber, feet .....           | 144,000 | Grass Seed, bushels .....     | 6,896     |
| Logs, cars .....             | 22      | Corn Meal, pounds .....       | 200       |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 527,968 | \$4,280,115 | \$ 8.01            |
| Town Lots .....               | 11,023  | 1,374,486   |                    |
| Horses .....                  | 15,375  | 345,786     | 22.68              |
| Mules .....                   | 3,393   | 65,923      | 19.11              |
| Cattle .....                  | 24,212  | 228,367     | 13.88              |
| Sheep .....                   | 3,302   | 3,219       | 1.18               |
| Hogs .....                    | 22,363  | 30,637      | 2.74               |
| Money, bonds and notes .....  |         | 369,059     |                    |
| Other personal property ..... |         | 600,410     |                    |
| Railroad property .....       |         | 1,224,069   |                    |
| Telegraph property .....      |         | 13,875      |                    |
| Total taxable wealth .....    |         | \$8,584,975 |                    |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 7,000; peach, 800; small fruits, 300; average value of improved land, per acre, \$30; unimproved, \$10, average monthly wages farm labor, summer, \$14; winter, \$12; average weekly wages, domestic help, \$1.75; average number farm hands in county, 650; average number months employed during year, 6; most profitable products, grain, grass, stock and fruit; number public schools, 156; number teachers, 186; number pupils, 10,916; average school tax levy on \$100, 46 cents; permanent school fund, \$27,416.18.

## CITIES AND TOWNS.

NEVADA, the county seat, is located near the center of the county and is the junction of the Missouri Pacific and the M., K. & T. Railroads. It has a population of about 11,000. It has five newspapers, three banks, seven public schools, Cotty's College, Elliott's Seminary, fifteen churches and all the fraternities. It has broad, well-kept streets, is lighted with gas and electricity and has a good system of water works. It has numerous factories among which are two zinc smelters, planing mills, wagon factories, flouring mills, brick works, etc. A fine park, in which is an artesian well and a beautiful lake, is near the city and is a favorite resort for picnics and celebrations. Other towns of the county are:

|                   | Population. |
|-------------------|-------------|
| Schell City ..... | 2,000       |
| Sheldon .....     | 1,000       |
| Panama .....      | 1,000       |
| Stotesburg .....  | 1,000       |
| Harwood .....     | 600         |
| Bronaugh .....    | 600         |
| Richards .....    | 600         |

## WARREN COUNTY.

Population 10,000.

Railroads: Wabash, and M., K. &amp; E.

Eastern part of the State, second county west of the Mississippi River and south line bordering on the Missouri River; about 60 miles from St. Louis; area, 435 square miles; surface, undulating prairie and hilly timber land, about 30 per cent of the latter. Seventy per cent of the land is tillable. Soil is a light loam, quite fertile in the valleys. The county is drained by Charette, Camp, Big and Smith Creeks. Sandstone and limestone are sufficient for building purposes. Considerable lumber is cut and exported. Fuel is principally wood, price, \$1.50.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 28 bushels             | \$0.20                | \$ 5.50                 |
| Wheat .....        | 10 bushels             | .60                   | 5.50                    |
| Oats .....         | 28 bushels             | .14                   | 4.50                    |
| Potatoes .....     | 100 bushels            | .20                   | 14.00                   |
| Timothy Seed ..... | 8½ bushels             | 1.75                  |                         |
| Clover Seed .....  | 8 bushels              | 3.50                  |                         |
| Clover Hay .....   | 2 tons                 | 5.50                  | 6.00                    |
| Timothy Hay .....  | 1½ tons                | 6.00                  | 5.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                                  |         |
|----------------------------------|---------|
| Cattle, Hogs and Sheep, head ... | 12,785  |
| Horses and Mules, head .....     | 100     |
| Mixed Live Stock, cars .....     | 28      |
| Wheat, Corn, Oats, bushels ..... | 188,000 |
| Mixed Grain, cars .....          | 6       |
| Flour, barrels .....             | 7,063   |
| Apples, barrels .....            | 999     |
| Potatoes, bushels .....          | 585     |
| Tobacco, pounds .....            | 3,335   |
| Eggs, dozen .....                | 466,009 |
| Butter, pounds .....             | 43,635  |
| Poultry, Game, pounds .....      | 261,383 |
| Dressed Meat, pounds .....       | 60,911  |
| Lard, pounds .....               | 12,665  |
| Hides and Tallow, pounds .....   | 36,633  |
| Small Fruit, C. and B. ....      | 1,022   |

|                               |        |
|-------------------------------|--------|
| Logs and Posts, cars .....    | 20     |
| Cross Ties .....              | 91,767 |
| Piling, cars .....            | 8      |
| Cord Wood, cords .....        | 630    |
| Fire Clay, cars .....         | 209    |
| Wool, pounds .....            | 12,874 |
| Cooperage, cars .....         | 38     |
| Feathers, pounds .....        | 400    |
| Onions, bushels .....         | 200    |
| Nursery Stock, pounds .....   | 26,675 |
| Nuts, bushels .....           | 3,792  |
| Pop Corn, bushels .....       | 14     |
| Pears, Peaches, baskets ..... | 3,312  |
| Grass Seed, bushels .....     | 804    |
| Dried Fruit, pounds .....     | 13,137 |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 254,080 | \$1,519,185 | \$ 5.98            |
| Town Lots.....               | 942     | 163,970     |                    |
| Horses.....                  | 3,494   | 74,010      | 21.18              |
| Mules.....                   | 1,541   | 40,715      | 26.40              |
| Cattle.....                  | 7,296   | 74,236      | 10.17              |
| Sheep.....                   | 8,572   | 8,690       | 1.08               |
| Hogs.....                    | 16,782  | 36,072      | 2.15               |
| Money, bonds and notes.....  |         | 612,680     |                    |
| Other personal property..... |         | 151,696     |                    |
| Railroad property.....       |         | 596,329     |                    |
| Telegraph property.....      |         | 9,331       |                    |
| Total taxable wealth.....    |         | \$3,272,653 |                    |

## GENERAL STATISTICS.

Average size of farms, 70 acres; average fruit acreage, apple, 1,500; peach, 200; small fruits, 160; average value of improved land, per acre, \$30; unimproved, \$8; average monthly wages farm labor, summer, \$15; winter, \$10; average weekly wages, domestic help, \$1.50; average number farm hands in county, 250; average number months employed during year, 6; most profitable products, corn, wheat and stock; number public schools, 64; number teachers, 67; number pupils, 3,167; average school tax levy on \$100, 40 cents; permanent school fund, \$16,540.35.

## TOWNS.

WARRENTON, the county seat, is located centrally on the Wabash Railroad. It has a population of about 1,200, two newspapers, one bank, one public school and Central Wesleyan College, six churches, three fraternal orders; two flouring mills, a pressed brick factory, cigar factory, etc. It is lighted by electricity, plant owned by a corporation. A system of water works is owned and operated by the city. Three of the other towns in the county are:

|                    | Population. |
|--------------------|-------------|
| Wright City .....  | 380         |
| Marthasville ..... | 200         |
| Holstein .....     | 150         |

## WASHINGTON COUNTY.

Population 15,000.

Railroads: St. L., I. M. &amp; S.

Located in the eastern part of the State; 60 miles south of St. Louis. It has an area of 780 square miles. The surface is hilly, with some rich and productive valleys. The soil of the hills is of a clayish formation and adapted to all kinds of fruit. The county has extensive forests of pine, walnut, oak and hickory and lumber is an important item of export. The county is rich in mineral deposits and extensive lead mines are in operation. Brazil, Indian, Loss and Mineral Fork Creeks flow through the county. Fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1906.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 30 bushels             | \$0.30                | \$ 5.75                 |
| Wheat .....       | 12 bushels             | .60                   | 5.75                    |
| Oats .....        | 28 bushels             | .20                   | 4.50                    |
| Potatoes .....    | 90 bushels             | .40                   | 14.00                   |
| Clover Seed ..... | 3 bushels              | 4.00                  | 7.50                    |
| Clover Hay .....  | 2 tons                 | 9.00                  | 7.25                    |
| Timothy Hay ..... | 1½ tons                | 9.50                  | 7.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                                  |        |                            |         |
|----------------------------------|--------|----------------------------|---------|
| Cattle, Hogs and Sheep, head ... | 7,998  | Dried Fruit, pounds .....  | 7,060   |
| Horses and Mules, head .....     | 60     | Lumber, feet .....         | 54,000  |
| Mixed Live Stock, cars .....     | 7      | Logs, cars .....           | 1       |
| Wheat, bushels .....             | 13,500 | Posts, cars .....          | 3       |
| Hay, bales .....                 | 639    | Cord Wood, cords .....     | 2,331   |
| Flour, barrels .....             | 2,024  | Pig Lead, tons .....       | 980     |
| Apples, barrels .....            | 5,857  | Stone, cars .....          | 1       |
| Eggs, dozen .....                | 73,910 | Wool, pounds .....         | 10,835  |
| Butter, pounds .....             | 6,740  | Cooperage, cars .....      | 12      |
| Poultry and Game, pounds .....   | 83,225 | Bran, pounds .....         | 140,000 |
| Dressed Meat, pounds .....       | 5,080  | Clover Seed, bushels ..... | 363     |
| Lard, pounds .....               | 397    | Nuts, bushels .....        | 10      |
| Hides, pounds .....              | 6,277  | Beeswax, pounds .....      | 600     |
| Feathers, pounds .....           | 1,086  | Barytes, tons .....        | 7,920   |



## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.           | No.     | Value.      | Average Valuation. |
|------------------------------|---------|-------------|--------------------|
| Lands, acres.....            | 468,849 | \$1,732,726 | \$ 3.73            |
| Town Lots.....               | 1,440   | 181,110     |                    |
| Horses.....                  | 8,692   | 86,275      | 23.36              |
| Mules.....                   | 1,459   | 35,824      | 24.55              |
| Cattle.....                  | 10,145  | 88,027      | 8.67               |
| Sheep.....                   | 5,123   | 5,354       | 1.04               |
| Hogs.....                    | 14,076  | 28,120      | 2.00               |
| Money, bonds and notes.....  |         | 153,948     |                    |
| Other personal property..... |         | 112,702     |                    |
| Railroad property.....       |         | 348,491     |                    |
| Telegraph property.....      |         | 4,733       |                    |
| Total taxable wealth.....    |         | \$2,777,309 |                    |

## GENERAL STATISTICS.

Average size of farms, 110 acres; average fruit acreage, apple, 2,000; peach, 500; small fruits, 200; average value of improved land, per acre, \$18; unimproved, \$5; average monthly wages farm labor, summer, \$16; winter, \$16; average weekly wages, domestic help, \$1.75; average number farm hands in county, 175; average number months employed during year, 6; most profitable products, stock and grain; number public schools, 66; number teachers, 73; number pupils, 4,595; average school tax levy on \$100; 60 cents; permanent school fund, \$25,765.13.

## TOWNS.

POTOSI, the county seat, is located on the Iron Mountain Railroad, and has a population of 800. It has two newspapers, one bank, one public school, five churches, six fraternal orders, one flouring mill, one smelter, good graded and graveled streets. Other towns in the county are:

|                     | Population. |
|---------------------|-------------|
| Caledonia .....     | 300         |
| Irondale .....      | 300         |
| Bellgrade .....     | 300         |
| Old Mines .....     | 250         |
| Mineral Point ..... | 250         |
| Palmer .....        | 150         |
| Richmond .....      | 150         |

## WAYNE COUNTY.

Population 14,000.

Railroads: St. L., I. M. &amp; S. and St. L., C. G. &amp; Ft. S.

Southeastern part of the State; 110 miles south of St. Louis; area, 800 square miles; undulating with low lands in the southeast. Seventy per cent of the county is timber land, consisting mostly of pine and oak. Soil is a sandy loam, very fertile along the streams. The county has many good springs and is drained by the St. Francois, Castor and Black Rivers. Granite, lime and sandstone are found, also lead, coal and iron, but they are not mined. Wood, the only fuel, ranges from 50 cents to \$1 per cord.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1898.            | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|------------------|------------------------|-----------------------|-------------------------|
| Corn.....        | 25 bushels             | \$0.80                | \$ 5.00                 |
| Wheat.....       | 9 bushels              | .55                   | 4.25                    |
| Oats.....        | 25 bushels             | .20                   | 8.90                    |
| Potatoes.....    | 100 bushels            | .40                   | 14.00                   |
| Clover Hay.....  | 1½ tons                | 9.00                  | 7.00                    |
| Timothy Hay..... | 1½ tons                | 9.50                  | 6.75                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |        |                                 |            |
|------------------------------|--------|---------------------------------|------------|
| Cattle, head .....           | 2,000  | Building Brick, cars .....      | 1          |
| Hogs, head .....             | 11,641 | Sewer Pipe and Tile, cars ....  | 10         |
| Sheep, head .....            | 810    | Lumber, feet .....              | 25,794,000 |
| Mixed Live Stock, cars ..... | 8      | Cross Ties .....                | 2,145      |
| Wheat, bushels .....         | 5,000  | Piling, cars .....              | 1          |
| Corn, bushels .....          | 5,500  | Cord Wood, cords .....          | 147        |
| Oats, bushels .....          | 9,750  | Lime, barrels .....             | 150        |
| Hay, bales .....             | 10,252 | Granite Pav. Blocks, cars ..... | 37         |
| Flour, barrels .....         | 1,501  | Wool, pounds .....              | 1,174      |
| Apples barrels .....         | 903    | Tobacco, pounds .....           | 50         |
| Potatoes, bushels .....      | 149    | Cooperage, cars .....           | 53         |
| Eggs, dozen .....            | 38,450 | Dried Fruit, pounds .....       | 1,440      |
| Butter, pounds .....         | 3,810  | Wine, gallons .....             | 205        |
| Poultry, pounds .....        | 33,945 | Cider, gallons .....            | 1,202      |
| Dressed Meat, pounds .....   | 1,140  | Nursery Stock, pounds .....     | 18         |
| Game, pounds .....           | 145    | Peaches, crates .....           | 1,062      |
| Fish, pounds .....           | 20     | Strawberries, crates .....      | 142        |
| Hides, pounds .....          | 337    | Ship Stuff, pounds .....        | 20,000     |
| Feathers, pounds .....       | 8,230  | Grass Seed, bushels .....       | 905        |
| Vegetables, pounds .....     | 1,720  | Mill Feed, pounds .....         | 64,760     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 478,988 | \$1,889,809 | \$ 2.89            |
| Town Lots .....               | 1,670   | 159,069     | .....              |
| Horses .....                  | 8,291   | 77,196      | 28.46              |
| Mules .....                   | 1,786   | 46,598      | 26.08              |
| Cattle .....                  | 8,968   | 80,817      | 8.99               |
| Sheep .....                   | 5,098   | 6,226       | 1.22               |
| Hogs .....                    | 16,544  | 27,765      | 1.66               |
| Money, bonds and notes .....  | .....   | 131,591     | .....              |
| Other personal property ..... | .....   | 158,060     | .....              |
| Railroad property .....       | .....   | 708,996     | .....              |
| Telegraph property .....      | .....   | 7,869       | .....              |
| Total taxable wealth .....    | .....   | \$2,784,644 | .....              |

## GENERAL STATISTICS.

Average size of farms, 140 acres; average fruit acreage, apple, 1,500; peach, 700; average value of improved land, per acre, \$15; unimproved, \$2; average monthly wages farm labor, summer, \$13; winter, \$12; average weekly wages, domestic help, \$1.50; average number farm hands in county, 250; average number months employed during year, 6; most profitable industry, stock raising; number public schools, 67; number teachers, 74; number pupils, 4,792; average school tax levy on \$100, 53 cents; permanent school fund, \$10,486.15.

## TOWNS.

GREENVILLE, the county seat, is the terminus of the Williamsville & Greenville Railroad, and has a population of about 800. It has two newspapers, a graded school, three churches and two fraternal orders. It also has a flouring mill and two saw mills. The streets are graded and graveled. Other towns in the county are:

|                     | Population. |
|---------------------|-------------|
| Piedmont .....      | 1,200       |
| Leeper .....        | 600         |
| Mill Spring .....   | 150         |
| Williamsville ..... | 150         |
| Patterson .....     | 100         |

## WEBSTER COUNTY.

Population 17,000.

Railroads: St. L. & S. F. and K. C., Ft. S. & M.

Located in the southern part of the State; 93 miles south of Jefferson City. It has an area of 630 square miles. The surface is undulating and 50 per cent of it is in timber. Sixty-five per cent of the land

is tillable. The Osage Fork of Gasconade, Big Niangua, Pomme de Terre and other streams furnish excellent drainage. The soil is mostly light loam, well adapted to grain and fruit. The timber is oak and hickory. Fuel is cheap.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 26 bushels             | \$0.25                | \$ 5.00                 |
| Wheat .....       | 11 bushels             | .50                   | 4.50                    |
| Oats .....        | 26 bushels             | .20                   | 4.00                    |
| Potatoes .....    | 70 bushels             | .20                   | 14.00                   |
| Clover Seed ..... | 2½ bushels             | 4.00                  | 7.00                    |
| Clover Hay .....  | 2 tons                 | 6.00                  | 6.75                    |
| Timothy Hay ..... | 1½ tons                | 6.50                  | 6.50                    |

## SURPLUS PRODUCTS SHIPPED.

|                                 |         |                             |         |
|---------------------------------|---------|-----------------------------|---------|
| Cattle, Hogs, Sheep, head ..... | 11,473  | Feathers, pounds .....      | 110     |
| Horses and Mules, head .....    | 923     | Small Fruit, C. and B. .... | 1,900   |
| Mixed Live Stock, cars .....    | 111     | Dried Fruit, pounds .....   | 40,245  |
| Wheat, bushels .....            | 11,500  | Lumber, feet .....          | 639,000 |
| Hay, bales .....                | 1,165   | Logs, cars .....            | 190     |
| Flour, barrels .....            | 1,421   | Cross Ties .....            | 48,400  |
| Ship Stuff, pounds .....        | 50,000  | Piling, cars .....          | 27      |
| Apples, barrels .....           | 11,891  | Cord Wood, cords .....      | 4,256   |
| Eggs, dozen .....               | 175,230 | Sand, cars .....            | 12      |
| Butter, pounds .....            | 17,800  | Wool, pounds .....          | 27,915  |
| Poultry, pounds .....           | 174,667 | Cooperage, cars .....       | 18      |
| Dressed Meat, pounds .....      | 275     | Molasses, gallons .....     | 90      |
| Game, pounds .....              | 90,830  | Beeswax, pounds .....       | 250     |
| Hides and Tallow, pounds .....  | 15,365  |                             |         |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 366,145 | \$1,425,798 | \$ 3.88               |
| Town Lots .....               | 2,826   | 200,200     |                       |
| Horses .....                  | 6,767   | 154,141     | 22.61                 |
| Mules .....                   | 2,417   | 57,820      | 23.96                 |
| Cattle .....                  | 9,007   | 85,227      | 9.46                  |
| Sheep .....                   | 12,158  | 12,158      | 1.00                  |
| Hogs .....                    | 24,544  | 35,984      | 1.46                  |
| Money, bonds and notes .....  |         | 250,823     |                       |
| Other personal property ..... |         | 228,067     |                       |
| Railroad property .....       |         | 610,809     |                       |
| Telegraph property .....      |         | 7,212       |                       |
| Total taxable wealth .....    |         | \$3,068,179 |                       |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 8,000; peach, 1,200; small fruits, 300; average value improved land,

per acre, \$20; unimproved, \$8; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic help, \$1.25; average number farm hands in county, 200; average number months employed during year, 6; most profitable products, fruit and stock; number public schools, 78; number teachers, 95; number pupils, 6,154; average school tax levy on \$100, 39 cents; permanent school fund, \$10,100.

### TOWNS.

MARSHFIELD, the county seat, is located on the St. Louis & San Francisco Railroad, and has a population of 1,200. It has two newspapers, two banks, one public school, five churches, three fraternal orders, two flouring mills and good graded streets. Other important towns in the county are:

|                   | Population. |
|-------------------|-------------|
| Seymour .....     | 900         |
| Rogersville ..... | 400         |
| Fordland .....    | 400         |
| Niangua .....     | 200         |

### WORTH COUNTY.

Population 10,000.

Railroads: C. G. W. and C., B. & Q. (Branch).

Northwest Missouri, bordering on the Iowa line; 60 miles north of St. Joseph; area 270 square miles; undulating prairie, with woodland along the streams; soil very fertile dark loam. Eighty-five per cent of the land is tillable and about 15 per cent is in timber. The county is watered and drained by Grand River and its tributaries and the Platte River. There are many splendid wells in the county. Coal exists in small quantities. There are also valuable veins of sienna. Wood is the principal fuel and sells at \$2 per cord.

### CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.              | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|--------------------|------------------------|-----------------------|-------------------------|
| Corn .....         | 38 bushels             | \$0.18                | \$ 5.25                 |
| Wheat .....        | 12 bushels             | .60                   | 5.00                    |
| Oats .....         | 22 bushels             | .14                   | 4.25                    |
| Potatoes .....     | 75 bushels             | .25                   | 18.00                   |
| Timothy Seed ..... | 3 bushels              | 2.00                  | 6.00                    |
| Clover Seed .....  | 2½ bushels             | 4.00                  | 6.25                    |
| Clover Hay .....   | 2 tons                 | 5.50                  | 6.00                    |
| Timothy Hay .....  | 1½ tons                | 6.00                  | 5.75                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                        |       |
|------------------------------|---------|------------------------|-------|
| Cattle, head .....           | 3,302   | Apples, barrels .....  | 7,180 |
| Hogs, head .....             | 19,600  | Eggs, dozen .....      | 1,260 |
| Horses and Mules, head ..... | 730     | Butter, pounds .....   | 350   |
| Sheep, head .....            | 730     | Poultry, pounds .....  | 7,015 |
| Wheat, bushels .....         | 1,000   | Game, pounds .....     | 340   |
| Corn, bushels .....          | 104,500 | Hides, pounds .....    | 1,098 |
| Oats, bushels .....          | 2,500   | Lumber, feet .....     | 9,000 |
| Hay, bales .....             | 2,796   | Cord Wood, cords ..... | 7     |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average Valuation. |
|-------------------------------|---------|-------------|--------------------|
| Lands, acres .....            | 169,708 | \$1,428,240 | \$ 8.40            |
| Town Lots .....               | 1,228   | 168,009     |                    |
| Horses .....                  | 8,306   | 185,024     | 22.54              |
| Mules .....                   | 572     | 13,190      | 23.06              |
| Cattle .....                  | 13,707  | 198,400     | 14.10              |
| Sheep .....                   | 8,306   | 8,306       | 1.00               |
| Hogs .....                    | 12,989  | 37,597      | 2.89               |
| Money, bonds and notes .....  |         | 256,636     |                    |
| Other personal property ..... |         | 226,849     |                    |
| Railroad property .....       |         | 119,607     |                    |
| Telegraph property .....      |         | 1,186       |                    |
| Total taxable wealth .....    |         | \$2,625,543 |                    |

## GENERAL STATISTICS.

Average size of farms, 70 acres; average fruit acreage, apple, 1,000; small fruits, 160; average value of improved land, per acre, \$30; unimproved, \$15; average monthly wages farm labor, summer, \$15; winter, \$13; average weekly wages, domestic help, \$1.50; average number farm hands in county, 175; average number months employed during year, 6; most profitable products, corn, wheat and stock; number public schools, 68; number teachers, 77; number pupils, 3,246; average school tax levy on \$100, 46 cents; permanent school fund, \$6,298.03.

## TOWNS.

GRANT CITY, the county seat, is the terminus of a branch of the C., B. & Q. R. R., near the center of the county and has a population of about 1,300. It has two newspapers, two banks, one public school, five churches, and six fraternal societies. It also has a flouring mill, creamery and brick yard. A system of water works is owned and operated by the municipality. A canning factory is wanted. Three other important towns in the county are:

|                 | Population. |
|-----------------|-------------|
| Denver .....    | 500         |
| Sheridan .....  | 500         |
| Allendale ..... | 300         |

## WRIGHT COUNTY.

Population 17,000.

Railroads: K. C., Ft. S. &amp; M.

Located in the south central part of the State; 96 miles south of Jefferson City. It has an area of 700 square miles, and the surface is very uneven. Seventy per cent of the county is covered by timber and the percentage of tillable land is the same. The Gasconade and other smaller streams flow through the county. Some lead and zinc has been discovered, but very little of it has been mined. Wood is the principal article of fuel and sells at \$1.50 per cord. Good water is easily obtained.

## CROP PRODUCTS, PRICES AND COST OF PRODUCTION.

| 1896.             | Av. Yield per<br>acre. | Av. Selling<br>Price. | Av. Cost<br>Production. |
|-------------------|------------------------|-----------------------|-------------------------|
| Corn .....        | 28 bushels             | \$0.25                | \$ 5.00                 |
| Wheat .....       | 9 bushels              | .55                   | 4.50                    |
| Oats .....        | 22 bushels             | .30                   | 4.00                    |
| Potatoes .....    | 100 bushels            | .20                   | 14.00                   |
| Clover Hay .....  | 1½ tons                | 4.00                  | 5.00                    |
| Timothy Hay ..... | 1½ tons                | 5.50                  | 5.00                    |

## SURPLUS PRODUCTS SHIPPED.

|                              |         |                               |         |
|------------------------------|---------|-------------------------------|---------|
| Cattle, head .....           | 3,800   | Vegetables, pounds .....      | 120,000 |
| Hogs, head .....             | 12,320  | Building Brick, cars .....    | 1       |
| Horses and Mules, head ..... | 1,620   | Lumber, feet .....            | 729,000 |
| Wheat, bushels .....         | 5,000   | Logs, cars .....              | 163     |
| Corn, bushels .....          | 500     | Cord Wood, cords .....        | 17½     |
| Hay, bales .....             | 468     | Lead and Zinc Ore, tons ..... | 40      |
| Flour, barrels .....         | 13,550  | Stone, cars .....             | 2       |
| Ship Stuff, pounds .....     | 300,000 | Cooperage, cars .....         | 5       |
| Eggs, dozen .....            | 112,680 | Cotton, bales .....           | 490     |
| Butter, pounds .....         | 800     | Castor Beans, pounds .....    | 20,000  |
| Poultry, pounds .....        | 7,080   | Strawberries, crates .....    | 1,026   |
| Game, pounds .....           | 9,460   | Peaches, crates .....         | 21,500  |

## ASSESSED VALUATION OF PROPERTY, 1896.

| PROPERTY ASSESSED.            | No.     | Value.      | Average<br>Valuation. |
|-------------------------------|---------|-------------|-----------------------|
| Lands, acres .....            | 369,350 | \$1,849,148 | \$ 3.65               |
| Town Lots .....               | 1,215   | 190,805     |                       |
| Horses .....                  | 5,515   | 145,455     | 21.96                 |
| Mules .....                   | 1,914   | 42,377      | 22.40                 |
| Cattle .....                  | 11,323  | 94,358      | 8.40                  |
| Sheep .....                   | 19,355  | 14,077      | 1.05                  |
| Hogs .....                    | 21,586  | 32,456      | 1.51                  |
| Money, bonds and notes .....  |         | 141,428     |                       |
| Other personal property ..... |         | 199,883     |                       |
| Railroad property .....       |         | 355,773     |                       |
| Telegraph property .....      |         | 4,450       |                       |
| Total taxable wealth .....    |         | \$2,564,460 |                       |

## GENERAL STATISTICS.

Average size of farms, 120 acres; average fruit acreage, apple, 4,000; peach, 2,000; small fruits, 1,000; average value of improved land, per acre, \$20; unimproved, \$5; average monthly wages farm labor, summer, \$12; winter, \$10; average weekly wages, domestic help, \$1; average number farm hands in county, 240; average number months employed during year, 6; most profitable products, stock and fruit; number public schools, 90; number teachers, 100; number pupils, 6,572; average school tax levy on \$100, 58 cents; permanent school fund, \$9,356.85.

## TOWNS.

HARTVILLE, the county seat, is located near the center of the county, on the Gasconade River, and has a population of 500. It has two newspapers, one bank, one public school, four churches, two fraternal orders. Other towns of the county are:

|                      | Population. |
|----------------------|-------------|
| Mountain Grove ..... | 1,500       |
| Mansfield .....      | 700         |
| Cedar Gap .....      | 300         |
| Norwood .....        | 100         |





## MISSOURI'S LUMBER INTERESTS.

By the citizens of her sister States Missouri has generally been regarded as pre-eminently an agricultural State, but reference to the excerpts from the Bureau's Annual Surplus Shipment Map, given in the chapter of this Report devoted to county and farm statistics, will convince anyone that our lumber and mining interests are of vast proportions.

From the summary of the State's aggregate surplus shipments in 1896, given in the map, the following figures relating to the lumber and timber actually marketed are taken:

|                    |   |   |   |    |
|--------------------|---|---|---|----|
| Lumber.....        | 190,456,300 feet marketed by 96 counties. |   |   |    |
| Wagon Timber.....  | 585,000                                   | " | " | 6  |
| Logs.....          | 77,232,000                                | " | " | 48 |
| Walnut Logs.....   | 5,310,000                                 | " | " | 30 |
| Piling.....        | 4,351,000                                 | " | " | 18 |
| Railroad Ties..... | 2,750,076                                 | " | " | 70 |
| Posts.....         | 378 cars                                  | " | " | 18 |
| Cooperage.....     | 2,634                                     | " | " | 66 |
| Cord Wood.....     | 71,916 cords                              | " | " | 88 |

The aggregate value of the State's total production of timber, computed at prevailing current prices, will approximate \$7,000,000, in the production of which over 6,000 persons are employed.

Almost every county in the State produced a sufficient amount of "native" or hardwood lumber for local use, and a majority of the 70 counties south of the Missouri River each produced a large surplus.

The pine-producing lands of the State are mostly located on the south slopes of the Ozark Mountains, embracing, in the order of their relative production, the counties of Carter, Wayne, Pemiscot, Stoddard, Shannon, Dunklin, Mississippi, New Madrid, Iron, Butler, Texas, Madison, Ripley and Franklin, each of which marketed over 1,000,000 feet of lumber. Many other counties in that part of the State have large forests of pine not yet being milled.

Estimates furnished this Bureau by the leading mill operators place the State's total productions of yellow pine for 1896 at 175,000,000 feet.

Missouri's yellow pine differs from that of Arkansas, Louisiana and Texas, being of the variety known as "short leaf pine." It is lighter in color and weight than the pine grown further south, and

is much superior for interior finish and fine work of all kinds and finds ready markets in the States of Kansas, Nebraska, Iowa, Illinois and Kentucky.

Experts estimate that Missouri's present available supply of pine will employ the mills now in operation for 25 years.

The counties mentioned also produce large quantities of wagon timber, staves and cooperage, and there are splendid openings for such factories throughout all that part of the State.

The following are the principal lumber-producing counties of South Missouri, the greater portion of their output being pine:

|                          |                  |
|--------------------------|------------------|
| Carter County .....      | 26,811,000 feet. |
| Wayne County .....       | 26,794,000 "     |
| Pemiscot County .....    | 21,807,000 "     |
| Stoddard County .....    | 21,488,000 "     |
| Shannon County .....     | 18,360,000 "     |
| Dunklin County .....     | 14,388,000 "     |
| Mississippi County ..... | 11,188,000 "     |

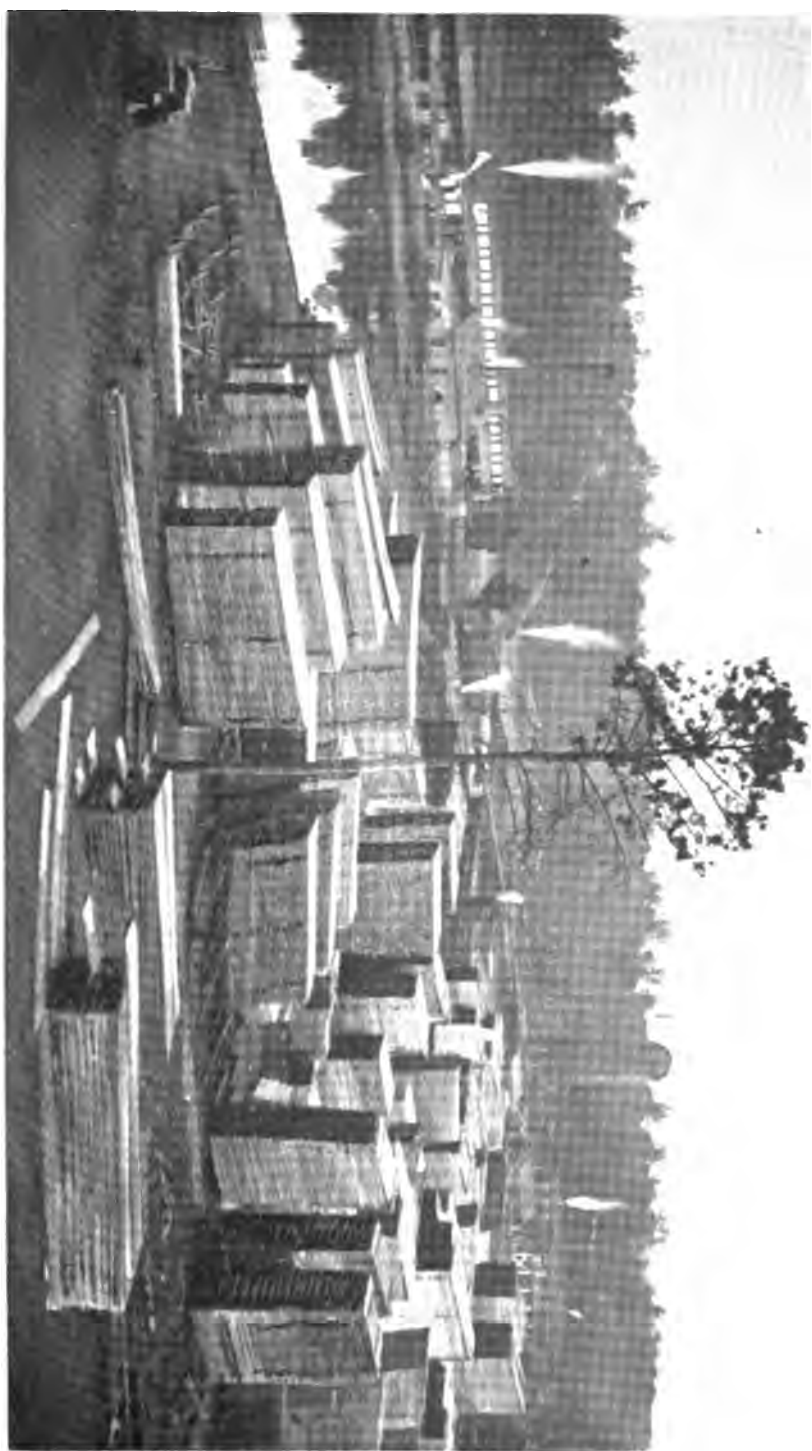
## GOVERNMENT LANDS IN MISSOURI.

There are 498,264 acres of Government lands in Missouri subject to homestead or cash entry. Three United States Land Offices, located at Boonville, Ironton and Springfield, have jurisdiction over these lands, which are distributed throughout a considerable number of South Missouri counties.

The following statements from the Registers of the various Land Offices show the number of acres that were subject to entry in the several counties on June 30, 1897:

### BOONVILLE DISTRICT.

|                        |                |
|------------------------|----------------|
| Benton County .....    | 5,000 acres.   |
| Dallas County .....    | 12,000 "       |
| Miller County .....    | 1,000 "        |
| Laclede County .....   | 14,000 "       |
| Pulaski County .....   | 16,000 "       |
| Hickory County .....   | 8,000 "        |
| St. Clair County ..... | 4,000 "        |
| Camden County .....    | 45,000 "       |
| Total .....            | 109,000 acres. |



THE OZARK LAND & LUMBER CO.'S PLANT, WINONA, MO.



## IRONTON DISTRICT.

|                            |               |
|----------------------------|---------------|
| Bollinger County.....      | 4,887 acres.  |
| Butler County.....         | 765 "         |
| Carter County.....         | 780 "         |
| Crawford County.....       | 2,189 "       |
| Dent County.....           | 2,069 "       |
| Howell County.....         | 2,068 "       |
| Iron County.....           | 10,784 "      |
| Madison County.....        | 9,564 "       |
| Oregon County.....         | 7,775 "       |
| Perry County.....          | 890 "         |
| Phelps County.....         | 5,550 "       |
| Pulaski County.....        | 6,160 "       |
| Reynolds County.....       | 5,408 "       |
| Ripley County.....         | 6,160 "       |
| Ste. Genevieve County..... | 900 "         |
| Shannon County.....        | 15,580 "      |
| Texas County.....          | 5,180 "       |
| Washington County.....     | 720 "         |
| Wayne County.....          | 5,480 "       |
| Total.....                 | 88,884 acres. |

## SPRINGFIELD DISTRICT.

|                       |                |
|-----------------------|----------------|
| Barry County.....     | 15,600 acres.  |
| Christian County..... | 4,640 "        |
| Dallas County.....    | 3,200 "        |
| Douglas County.....   | 18,000 "       |
| Laclede County.....   | 11,800 "       |
| McDonald County.....  | 20,880 "       |
| Ozark County.....     | 109,000 "      |
| Pulaski County.....   | 2,840 "        |
| Stone County.....     | 28,280 "       |
| Taney County.....     | 89,000 "       |
| Texas County.....     | 3,480 "        |
| Webster County.....   | 1,800 "        |
| Wright County.....    | 8,860 "        |
| Total.....            | 309,880 acres. |

The first homestead entry made at the Springfield Land Office was on March 1st, 1867, and since that date 25,069 of such entries have been made. During the four years ending November 1, 1897, there were made 4,434 original homestead entries, or 830 more than were made during the preceding four years.

The general descriptions given in "County and Farm Statistics" apply to these lands, the surface of which is generally rolling or hilly, and covered with timber.

Missouri is the only State containing Government lands which are subject to cash entry. All of the lands enumerated in the lists shown can be purchased at the rate of \$1.25 per acre, except such tracts as were embraced in homestead entries and reverted to the Government. These can only be secured by homestead entry.

Unless a man is married or is the head of a family, he must be 21 years old before he can make a homestead entry of land. A single

woman over 21 years of age can make a homestead entry, but a married woman cannot make such entry.

Homestead entries can only be made for 160 acres, but purchase may be made of an additional 160 acres.

One person can acquire title to only 320 acres of Government land.

Final proof in homestead entries can be made after five years from date of entry or of actual residence on the land, and must be made before the expiration of seven years from date of entry. The time which the homestead settler has served in the army, navy or marine corps during the civil war shall be deducted from the time heretofore required to perfect title, or if discharged on account of wounds received or disability incurred in the line of duty, then the term of enlistment shall be deducted from the time heretofore required to perfect title, without reference to the length of time he may have served; but no patent shall issue to any homestead settler who has not resided upon, improved and cultivated his homestead for a period of at least one year after he shall have commenced his improvements.

The Land Office fees and commissions, payable when application is made, are as follows:

On lands outside the railroad limits, \$14 for 160 acres, \$13 for 120 acres, \$7 for 80 acres, \$6 for 40 acres.

On lands within the railroad limits, \$18 for 160 acres, \$16 for 120 acres, \$9 for 80 acres, \$7 for 40 acres.

The Land Office commissions, payable at the time of making final homestead proof, are as follows:

On land outside of railroad limits:

|                    |        |
|--------------------|--------|
| For 160 acres..... | \$4.00 |
| For 120 acres..... | 3.00   |
| For 80 acres.....  | 2.00   |
| For 40 acres.....  | 1.00   |

On land within the railroad limits:

|                    |        |
|--------------------|--------|
| For 160 acres..... | \$8.00 |
| For 120 acres..... | 6.00   |
| For 80 acres.....  | 4.00   |
| For 40 acres.....  | 2.00   |

The fees for reducing testimony to writing in making final proof are 15 cents for each 100 words, which in each case amounts to \$1, sometimes \$1.50, which must be transmitted with the other final proof commissions.

While these lands are generally rough and broken, they are admirably adapted to stock raising, the growth of all kinds of fruits, vegetables and tobacco. Much of it is underlaid with minerals and

is covered with fairly good timber. Thousands of comfortable, substantial homes can be made on these lands.

Persons desiring to make homestead entry on or to purchase Government land in Missouri can secure any additional information necessary by addressing the Register of United States Land Office at either of the points named.

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### ST. LOUIS.

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The metropolis of Missouri and the Mississippi Valley—St. Louis—occupies fourth place in point of population among America's largest cities. Its tributary territory comprises the richest agricultural region in the world. Situated midway between the great oceans east and west, and the gulf and great lakes north and south, St. Louis is truly the "Gate City" of the United States. Located on the banks of the Mississippi River (which her merchants expect to see traversed by ocean-going steamers in the near future), and having 60,000 miles of railroad and the largest railway station in the world subservient to her interests, St. Louis rivals the world's best business centers in natural and commercial advantages. The city has a population of 650,000. The municipal limits include an area of 40,000 acres, its greatest length (north and south) being 19 miles. Its 17 parks have an aggregate area of more than 2,000 acres, some of them being noted throughout the world for their grandeur and extent.

In manufacturing St. Louis has eclipsed all other American cities in the magnitude of her progress during the past 30 years, her increase being twelve-fold. Her more than 6,000 factories (some of them the largest of their kind in the world) employed over 90,000 persons and yielded an output of finished goods valued (as estimated by the Secretary of the Business Men's League) at over \$300,000,000, in 1896.

The city's 22 banks have an aggregate capital of \$14,850,000, and their total deposits on October 1st, 1897, exceeded \$83,109,000.

The educational and religious facilities of St. Louis are unsurpassed by those of any city of its size. Its schools and churches if assembled together would make a city of respectable dimensions.

St. Louis is justly famed for its monster office buildings, its palatial residences, its splendid street railways (over 300 miles of track being in operation on the main thoroughfares), immense fac-



tories, wholesale houses and stores; its hospitals, great newspapers and general utilities give proof of its wonderful resources and commercial vitality. Nor should it be forgotten that no other great city has so well stood the strain on her financial institutions during money panics.

Every true Missourian is proud of St. Louis and her magnificent achievements.

The following is an abstract of the assessment of the real and personal property of St. Louis upon which taxes were paid in 1896:

|                                   |               |
|-----------------------------------|---------------|
| Lands, acres.....                 | \$ 8,470,510  |
| Town lots.....                    | 281,374,280   |
| Horses.....                       | 706,040       |
| Mules.....                        | 72,910        |
| Cattle.....                       | 73,250        |
| Hogs.....                         | 240           |
| Money, bonds and notes.....       | 5,685,290     |
| Brokers and exchange dealers..... | 52,480        |
| Corporate companies.....          | 22,601,780    |
| Other personal property.....      | 15,623,300    |
| Railroad property.....            | 3,404,232     |
| Bridge property.....              | 1,350,000     |
| Telegraph property.....           | 84,440        |
| Total taxable wealth.....         | \$339,456,042 |

## KANSAS CITY.

Kansas City is very appropriately called the "Interstate City," being situated on the dividing line between the States of Kansas and Missouri. The combined population of the city in the two States is about 213,000.

Kansas City is the largest city between the Mississippi River and the Pacific Ocean, and is located near the geographical center of the United States. Among the great American cities she ranks tenth in bank clearances, eleventh in value of business transacted, nineteenth in manufactures and twenty-third in population.

Her transportation facilities are immense. Besides the Missouri River she has 17 systems and 26 lines of railroads, with an aggregate mileage subservient to her commercial interests of over 50,000 miles, making directly tributary the agricultural territory which produced 25 per cent of all the wheat, 45 per cent of all the corn and 31 per cent of all the oats raised in the United States last year. For handling this immense business she has 19 large elevators and 71 firms engaged in the grain business.

Kansas City is the second largest live stock market in the world, the value of her receipts of live stock in 1896 being over \$103,000,000, which was handled by 89 live stock and commission firms. Her immense stock yards cover 177 acres of ground, and, with her packing houses, employed over 8,000 persons last year.

Kansas City has about 300 manufacturing establishments, their pay-rolls numbering nearly 20,000 persons, and the value of their output of manufactured goods last year approximated \$106,000,000. The aggregate capital of her banks is \$5,165,000, and their total deposits at the close of last year amounted to \$20,260,117.

In public utilities Kansas City is particularly equipped to provide for the comfort, convenience and well-being of her citizens socially, intellectually and spiritually. She has 107 miles of paved streets, 156 miles of street railways, many spacious, magnificent parks, owns her splendid system of water works, has 38 school buildings, with 400 rooms, costing \$1,800,000; a manual training school, which cost \$130,000; a new public library, which cost \$200,000; scores of magnificent churches, several finely equipped hospitals, a fire department which is the pride of the West—in short, she has all that goes to make up a thriving, modern, metropolitan city.

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### ST. JOSEPH.

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This metropolis of Northwest Missouri is situated in the center of a rich and wonderfully productive agricultural region, having 9 railroads, with about 30,000 miles of line tributary in a commercial way. St. Joseph has made wonderful strides in material progress during the past few years, and has a bright and promising future.

It is the second largest city on the Missouri River within the State and the third largest in the State, having a population of about 75,000.

In no city throughout the country is there more harmony or hearty co-operation than is manifested by the business men and citizens of St. Joseph in their efforts to advance their city's material welfare, and the magnitude of their manufacturing and wholesale trade is a monument to the wisdom of such action.

St. Joseph has over 100 manufacturing establishments, the output of which last year was valued at almost \$20,000,000, while the city's wholesale trade during the same period aggregated almost

\$60,000,000. Her factories furnished employment for more than 5,000 persons last year. The city has seven banks, with a total capital of \$700,000.

Among the public facilities of St. Joseph are 24 public schools and 14 colleges and private schools, 65 churches, a fine public library, 4 city parks, 3 good hospitals, a perfect sewerage system, excellent water, electric light and gas service, a well-equipped and efficient fire department, a fine system of electric street railways and unsurpassed transportation facilities by river and rail. Taxation in the city is \$1.55 on an assessed valuation of 40 per cent.

Possessing already several large beef and pork packing establishments, with other large packing plants in process of erection, St. Joseph is rapidly taking front rank among the leading live stock centers of America.

Her geographical, commercial, educational and religious advantages, supplemented by the generous hospitality and energetic business thrift of her citizens, combine to make St. Joseph a most desirable home city and an ideal business center.

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## MISSOURI MANUFACTURES.

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This Bureau failed to collect statistics of manufactures in 1896, hence the tabulation herein presented cannot be compared with the operations of 1895.

The authority under which this Bureau operates in the collection of manufacturing statistics is vested in section 8225 of the Revised Statutes of Missouri, which is quoted herewith in order that the difficulties encountered in the prosecution of this work may be fully understood:

Sec. 8225. Annual Reports of Manufacturers and Others; What to Contain.—It shall be the duty of every owner, operator, manager or lessee of any mine, factory, warehouse, elevator, foundry or machine shop, or other manufacturing establishments doing business and incorporated under the laws of this State, to report annually on the first day of October, to the Commissioner of the Bureau of Statistics of Labor, the name of firm or corporation, where located, the class and value of goods manufactured yearly, the number of weeks in operation, the cost of buildings and grounds, the cost of machinery and repairs, the amount paid yearly for rent, taxes and insurance; the value of raw material used yearly, the total amount of wages paid yearly, the total number of employees, male and female; the total number of skilled and unskilled employees, male and female, and highest and lowest wages paid skilled and unskilled male and female employees, giving age of females under fourteen years. (Laws 1887, p. 283.)

The purpose of a law providing for the collection and compilation of statistics of manufactures should be to afford definite and

exact information concerning the capital invested, the value of the raw material used, the number of days in operation, the amount paid in wages for clerical and manual labor, with distinct classifications of the skilled and unskilled labor and the wages paid each class; the expenses of rent, taxes and insurance; and the value of all goods manufactured during the year, to the end that net results in the different lines of manufactures, and the average daily and annual earnings of each class of labor, may be made manifest. Such a law should apply to every manufacturer within the State, private as well as incorporated firms, foreign as well as domestic corporations, and reports made under its provisions should be, if possible, supported by the affidavit of the maker. The present law under which this Bureau has endeavored to make collection of such statistics is not sufficiently clear, complete or mandatory to serve the purpose for which it was designed. There are within the State a considerable number of manufacturing concerns incorporated under the laws of other States. Some of these refuse to comply with the provisions of Sec. 8225, and many attorneys give it as their opinion that such firms cannot be compelled to report under said section.

A great number of the unincorporated manufacturers profess to believe that the law does not apply to their business, hence yield a very reluctant compliance with its provisions, in some cases positively refusing to make reports without a resort to compulsory measures. As manufacturers are not required by the present law to verify their statements by affidavit, it is fair to presume that a considerable number of the reports furnished this Bureau are simply estimates instead of exact statements of facts as contemplated by the law. Said section specifies that such reports shall be made "on the first day of October," which is too late a date. In most instances manufacturers begin their business year on the first day of January and close it on the last day of December. The Annual Report published this year embraces last year's business, and instead of waiting until near the end of the year to publish the Report, as the aforesaid provision necessarily compels the Bureau to do, the date for reporting should be changed to the first day of March. Then the Bureau's Annual Report could be published and distributed by the first day of June, instead of being almost a year behind, as at present.

To the end that this work may be done in season and in a more thorough and comprehensive manner, the following substitute for said Section 8225 is respectfully submitted, with the recommendation that it be enacted in lieu of the present law:

"It shall be the duty of every owner, operator, manager or lessee of any factory, foundry, machine shop or other manufacturing establishment doing business within this State to report annually, on or before the first day of March, to the Commissioner of the Bureau of Labor Statistics and Inspection, as follows: Name

of firm or corporation and number of members, male or female, constituting same; where located, capital invested in grounds, buildings and machinery; class and value of the goods manufactured; aggregate value of raw material used; total number of days in operation; amount paid yearly for rent, taxes and insurance; total amount paid in wages; total number of employes, male and female; number engaged in clerical and manual labor (with detailed classification of the number and sex of employes engaged in each class); average daily wages paid to each."

On assuming charge of the Bureau, the Commissioner, desiring to make as complete and intelligible a showing of the State's manufacturing interests as possible, prepared and sent to each manufacturer in the State the following form for statistical information:

### Manufactures and Wage Schedule.

1. Name of firm or company.....
- 1a. State whether incorporated..... No. of members..... males..... females.....
2. Located in city or town of..... at No..... on..... Street.....
3. Kind of goods made or articles manufactured.....
4. Total value of all goods manufactured during the year 1896.....\$.....  
(Include here the value of all goods manufactured during the year, whether sold or on hand, estimating value of goods on hand at selling price.)
5. Value of manufactured goods on hand January 1, 1896.....\$.....
- 5a. Value of manufactured goods on hand January 1, 1897.....\$.....  
(The value of articles "*on hand*" includes the value of all articles and products manufactured and unsold, whether in warehouses, at the factory or shops, or in transit. Estimate on selling price.)
6. Total value of all stock or material used during the year 1896.....\$.....  
(Give the *cost price* of all materials used in manufacturing the goods indicated in question 4.)
- 6a. Total value of supplies used, fuel, light, water, power, boxes, barrels, etc. in 1896.....\$.....
7. Total value of stock or materials on hand January 1, 1896.....\$.....
- 7a. Total value of stock or materials on hand January 1, 1897.....\$.....  
(See note to question 5.)
8. Total number of days in operation during 1895.....
- 8a. Total number of days in operation during 1896.....  
(Give here the number of *whole* days in operation, adding parts of days worked to make whole days.)
9. Total amount paid in wages for year 1895.....\$.....
- 9a. Total amount paid in wages for year 1896.....\$.....  
(Do not include salaried officials or office help in the above. **WAGE EARNERS ONLY.**)
- 9b. Total amount paid in 1896 for rent \$..... for taxes \$.....  
for insurance \$..... total.....\$.....
10. Capital invested.....\$.....  
(Only *actual* capital invested is called for, but that should include the various amounts invested in land, buildings, fixtures, machinery, implements and tools, cash used in the business and not included in the foregoing items, and cash on hand or in bank. For corporations include in the foregoing only *paid-up* capital stock.)

**11. OFFICE HELP.**

| Give average amount paid in salary for each class per month. | No. of Males. | No. of Females. | Amt. paid to Males. | Amt. paid to Females. |
|--|---------------|-----------------|---------------------|-----------------------|
| Managers and Foremen .....                                   |               |                 |                     |                       |
| Salesmen .....   |               |                 |                     |                       |
| Book-keepers .....   |               |                 |                     |                       |
| Clerks .....   |               |                 |                     |                       |
| Stenographers .....  |               |                 |                     |                       |

12. Give below the number of employees in each separate occupation or branch of work, naming the occupation or trade with the average daily wages and the average hours of labor per day, and also state whether there has been an advance or reduction in wages during 1896, and how much per cent. Do not include office help.

[illegible]

18. Number of persons employed each month for the years 1895 and 1896.

[illegible]

14. State briefly the present condition, and future prospects, of the industry in which you engaged, and what legislation, if any, would stimulate trade in your line?

While this blank covered some points not specifically enumerated by Section 8225, only such questions were asked which, if fully and properly answered, would enable a complete and comprehensive showing of the operations of manufacturers and the wages paid the different classes of labor. A majority of the manufacturers to whom blanks were sent treated the Bureau fairly and were reasonably prompt in returning their reports. In some instances, however, a disposition was shown to dodge or entirely evade the requirements of law by refusal to report. A large number of reports were sent back for correction; others were received too late to be tabulated, while a considerable number were so deficient in essential particulars as to be worthless for the purposes of this Report.

In the following tables 46 industries, representing 867 separate manufacturing plants, are considered, in most cases a sufficient number of plants having reported to make a representative showing of each industry. Besides these, the output and capital of 129 other plants (the reports from which came too late for tabulation or were deficient in essential particulars) are considered in the following:

### SUMMARY OF MANUFACTURES.

The 867 manufacturing plants whose reports were tabulated represent 505 corporations, having a total of 3,888 members, 3,479 male and 409 female, and 362 private firms, having 844 male and 28 female, a total of 872 members.

These 867 plants report having invested in grounds, buildings and machinery \$58,773,548, and the aggregate value of their manufactures during 1896 was \$88,530,724, in addition to which the capital of the 129 plants whose reports were not tabulated aggregated \$5,365,641, and their manufactures were valued at \$8,874,771, making a total of \$64,139,189 capital and \$97,405,495 worth of manufactures reported by 996 plants.

The 867 plants paid in wages during 1895 \$16,952,657; in 1896, \$17,267,845, an increase of \$315,188. They report having paid in rent, \$842,623; taxes, \$2,250,697; insurance, \$684,659, a total of \$3,900,292.

During the 12 months of 1895 these firms employed in their mechanical departments an average of 39,034 persons each month, and during 1896 the average was 41,283.

They report having employed during 1896, as managers or foremen, 1,242 males and 35 females; as salesmen, 1,597 males and 12 females; as bookkeepers, 585 males and 71 females; as clerks, 924 males and 61 females; as stenographers, 166 males and 197 females, making a total average clerical force during each month of 1896 of 4,514 males and 376 females.

## FLOURING MILLS.

Reports were received from 117 mills, only 92 of which were sufficiently complete for the purpose of tabulation. The 92 mills contained in the following table consist of 43 corporations composed of 253 male and 19 female members, and 49 private firms having 104 male and 2 female members. They report as capital, \$2,705,600, and their manufactures during 1896 were valued at \$7,153,532. The 25 other mills, whose reports were not tabulated, had a capital of \$362,400, and their manufactures during 1896 were valued at \$1,378,888, making a total capital of \$3,068,000, and manufactures, \$8,532,420. While the total number of days operated during 1896 exceed 1895 by 2,295, the amount of wages paid shows a decrease of \$8,460. The average number of persons employed by the 92 firms during each month of 1895 was 561; in 1896 the average was 570. They paid in 1896 for rent, \$4,305; taxes, \$20,435; insurance, \$58,931, a total of \$86,671. They employed as managers, 72 males, whose average monthly salary was \$92.85; salesmen, 23 males, at a monthly salary of \$102.93; bookkeepers, 36 males, whose average monthly salary was \$70.28, and 1 female at a salary of \$24; clerks, 34 males, at a salary of \$53.47, and 1 female, at \$30; stenographers, 4 males, salary \$40.50, and 2 females at a salary of \$67.50.

The manual labor of flouring mills is all done by male help. The average daily wages paid foremen was \$2.15 for 10 2-5 hours; millwrights, \$2.50 for 10 hours; millers, \$2.20 for 10 2-3 hours; engineers and firemen, \$1.76 for 10 4-5 hours; coopers, \$1.60 for 8 2-3 hours; packers, \$1.47 for 10 hours; and laborers, \$1.25 for 10 2-3 hours.

A consensus of the answers given to Question No. 14 indicates general dissatisfaction among the millers of the State over the discrimination which they allege is being practiced against them and in favor of the large mills of the Northwest. When our wheat crop is short, as it has been for the past several seasons, and our millers have to go to the Northwest for their wheat, they are charged 20 cents per 100 pounds more than is charged for hauling flour the same distance; and when a plentiful local crop necessitates seeking a Southern outlet for our surplus flour, the same discrimination intervenes to the utter exclusion of all profit, and the opinion is advanced by many prominent millers that unless the Interstate Commerce Commission exercises its authority for the suppression of such discrimination a majority of the mills of this and other States will be driven out of business within the next five years.

Table No. 1 gives in detail information relating to flouring mills.



## FLOUR.

Table No. 1.

| OFFICE<br>NUMBER | Corporation | Private firms—male members |         | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—Fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials on<br>hand January 1, 1896 | Total value of stock or materials on<br>hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT PAID<br>IN 1896 FOR |        |        |           | Capital invested |       |
|------------------|-------------|----------------------------|---------|---|--|--|---|--|--|--|--|--|--|----------------------------------|--------|--------|-----------|------------------|-------|
|                  |             | Males                      | Females |   |  |  |   |  |  |  |  |  |  | Total                            | Rent   | Taxes  | Insurance |                  | Total |
|                  |             |                            |         |   |  |  |   |  |  |  |  |  |  |                                  |        |        |           |                  |       |
| 1                |             | 1                          | 1       | \$ 60,000   | \$10,540   | \$ 4,240   | \$42,738  | \$ 6,676   | \$12,108   | \$ 8,490   | 300  | \$ 2,600   | \$ 2,600   | \$ 420                           | \$ 420 | \$ 420 | \$ 60,000 |                  |       |
| 2                |             | 8                          | 1       | 26,000  | 450  | 500  | 240,000   | 1,100  | 10,000   | 10,000   | 300  | 3,296  | 3,296  | 78                               | 78     | 325    | 408       | 12,000           |       |
| 3                |             | 1                          | 1       | 300,000   | 8,000  | 5,000  | 240,000   | 25,000   | 10,000   | 10,000   | 250  | 8,600  | 8,600  | 700                              | 700    | 6,000  | 700       | 100,000          |       |
| 4                |             | 2                          | 2       | 15,882  |  |  | 12,885  | 980  | 1,010  | 1,010  | 184  | 4,000  | 4,000  | 1,479                            | 1,479  | 292    | 412       | 10,000           |       |
| 5                |             | 8                          | 8       | 50,000  | 2,000  | 2,000  | 46,000  | 1,500  | 15,000   | 15,000   | 300  | 4,000  | 4,000  | 280                              | 280    | 350    | 580       | 25,000           |       |
| 6                |             | 8                          | 8       | 55,000  | 3,000  | 2,000  | 52,000  | 5,504  | 1,000  | 1,500  | 300  | 4,000  | 4,000  | 219                              | 219    | 225    | 444       | 25,000           |       |
| 7                |             | 8                          | 8       | 200,000   | 10,000   | 7,500  | 175,000   | 15,729   | 10,000   | 11,000   | 250  | 6,061  | 6,061  | 441                              | 441    | 1,100  | 1,541     | 50,000           |       |
| 8                |             | 8                          | 8       | 148,800   | 2,240  | 8,020  | 130,610   | 13,750   | 4,825  | 38,195   | 192  | 7,055  | 7,055  | 306                              | 306    | 1,877  | 2,183     | 50,000           |       |
| 9                |             | 8                          | 8       | 202,098   | 3,254  | 2,766  | 198,715   | 25,309   | 2,484  | 3,345  | 124  | 10,448   | 10,448   | 369                              | 369    | 1,879  | 1,890     | 41,000           |       |
| 10               |             | 8                          | 8       | 134,576   | 80,000   | 2,000  | 108,715   | 25,309   | 1,500  | 2,000  | 350  | 1,100  | 1,100  | 232                              | 232    | 1,466  | 1,728     | 80,000           |       |
| 11               |             | 8                          | 8       | 42,017  | 1,123  | 1,451  | 40,705  | 6,222  | 4,751  | 8,341  | 179  | 4,032  | 4,032  | 72                               | 72     | 850    | 915       | 15,000           |       |
| 12               |             | 4                          | 4       | 104,782   | 2,569  | 2,867  | 88,978  | 8,396  | 1,155  | 7,354  | 270  | 8,560  | 8,560  | 100                              | 100    | 800    | 900       | 35,000           |       |
| 13               |             | 4                          | 4       | 30,800  | 7,215  | 8,824  | 25,518  | 14,944   | 75,386   | 87,612   | 246  | 17,048   | 17,048   | 108                              | 108    | 333    | 438       | 30,000           |       |
| 14               |             | 4                          | 4       | 120,000   | 3,500  | 7,000  | 113,000   | 1,310  | 7,530  | 7,150  | 240  | 1,900  | 1,900  | 117                              | 117    | 600    | 817       | 100,000          |       |
| 15               |             | 4                          | 4       | 22,700  | 790  | 780  | 18,170  | 1,310  | 7,530  | 7,150  | 240  | 1,900  | 1,900  | 78                               | 78     | 142    | 224       | 10,000           |       |
| 16               |             | 4                          | 4       | 46,735  | 1,520  | 1,520  | 45,215  | 2,400  | 2,600  | 2,600  | 150  | 2,580  | 2,580  | 120                              | 120    | 304    | 424       | 28,000           |       |
| 17               |             | 4                          | 4       | 38,000  | 1,000  | 1,200  | 36,800  | 1,922  | 3,300  | 4,500  | 280  | 2,580  | 2,580  | 17                               | 17     | 528    | 544       | 40,000           |       |
| 18               |             | 4                          | 4       | 38,000  | 2,000  | 2,500  | 35,500  | 2,000  | 1,000  | 2,500  | 280  | 2,580  | 2,580  | 56                               | 56     | 240    | 296       | 8,000            |       |
| 19               |             | 4                          | 4       | 38,000  | 1,800  | 900  | 36,200  | 960  | 1,500  | 1,000  | 280  | 1,675  | 1,675  | 150                              | 150    | 500    | 710       | 80,000           |       |
| 20               |             | 4                          | 4       | 18,000  | 2,800  | 4,000  | 15,200  | 10,000   | 8,000  | 12,000   | 190  | 4,800  | 4,800  | 680                              | 680    | 800    | 1,430     | 11,000           |       |
| 21               |             | 4                          | 4       | 120,000   | 1,000  | 1,500  | 110,000   | 8,470  | 12,000   | 15,000   | 300  | 8,400  | 8,400  | 240                              | 240    | 628    | 918       | 50,000           |       |
| 22               |             | 4                          | 4       | 60,000  | 1,000  | 500  | 59,500  |  |  |  | 150  | 3,900  | 3,900  | 250                              | 250    | 300    | 560       | 50,000           |       |
| 23               |             | 4                          | 4       | 61,470  | 4,853  | 4,228  | 56,109  | 4,278  | 17,628   | 18,578   | 120  | 3,900  | 3,900  | 275                              | 275    | 700    | 975       | 7,000            |       |
| 24               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 25               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 26               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 27               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 28               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 29               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 30               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 31               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 32               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 33               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 34               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 35               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 36               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 37               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 38               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 39               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 40               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 41               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 42               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 43               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 44               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 45               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 46               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 47               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 48               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 49               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |
| 50               |             | 4                          | 4       | 7,500   | 1,000  | 800  | 6,500   | 1,230  | 1,928  | 1,008  | 235  | 380  | 380  | 80                               | 80     | 60     | 140       | 3,500            |       |

|        |     |         |         |         |         |         |         |         |        |        |         |         |         |         |         |
|--------|-----|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|---------|---------|---------|
| 37.    | 1   | 10,222  | 2,164   | 4,183   | 14,420  | 1,167   | 4,150   | 2,625   | 279    | 259    | 1,527   | 1,420   | 540     | 1,042   | 5,000   |
| 38.    | 3   | 120,422 | 12,000  | 10,000  | 88,000  | 4,000   | 25,000  | 15,000  | 250    | 225    | 12,000  | 6,420   | 908     | 1,852   | 60,000  |
| 39.    | 3   | 240,112 | 6,732   | 12,000  | 194,318 | 18,000  | 1,680   | 7,717   | 250    | 225    | 12,000  | 6,420   | 908     | 1,852   | 60,000  |
| 40.    | 5   | 386,516 | 6,000   | 8,000   | 282,125 | 16,200  | 21,300  | 42,900  | 285    | 258    | 9,000   | 8,000   | 700     | 1,900   | 75,000  |
| 41.    | 6   | 60,000  | 2,000   | 40,000  | 40,000  | 4,000   | 20,000  | 24,000  | 278    | 278    | 6,000   | 6,000   | 651     | 2,000   | 10,000  |
| 42.    | 4   | 20,700  | 2,700   | 7,900   | 18,170  | 1,500   | 7,530   | 7,156   | 240    | 240    | 1,900   | 1,900   | 78      | 1,162   | 10,000  |
| 43.    | 5   | 30,000  | 1,000   | 10,000  | 10,867  | 1,000   | 1,800   | 600     | 200    | 200    | 1,900   | 1,900   | 85      | 150     | 12,000  |
| 44.    | 2   | 14,360  | 300     | 300     | 10,867  | 2,000   | 1,800   | 600     | 200    | 200    | 1,900   | 1,900   | 85      | 150     | 12,000  |
| 45.    | 2   | 18,000  | 1,000   | 1,000   | 12,800  | 2,000   | 2,000   | 2,500   | 273    | 273    | 2,500   | 2,500   | 150     | 175     | 10,000  |
| 46.    | 2   | 25,000  | 1,000   | 300     | 20,000  | 1,500   | 300     | 400     | 400    | 400    | 2,500   | 2,500   | 75      | 301     | 6,000   |
| 47.    | 1   | 4,000   | 100     | 100     | 2,800   | 500     | 200     | 100     | 105    | 80     | 250     | 250     | 18      | 1,250   | 3,000   |
| 48.    | 2   | 4,000   | 200     | 500     | 10,000  | 400     | 2,000   | 4,500   | 235    | 235    | 200     | 300     | 59      | 161     | 8,000   |
| 49.    | 3   | 6,000   | 450     | 640     | 4,500   | 400     | 1,000   | 1,25    | 15     | 15     | 1,500   | 1,410   | 98      | 230     | 10,000  |
| 50.    | 3   | 4,000   | 800     | 800     | 4,100   | 500     | 500     | 325     | 38     | 38     | 600     | 600     | 78      | 116     | 5,000   |
| 51.    | 2   | 10,000  | 500     | 500     | 8,000   | 300     | 500     | 500     | 200    | 250    | 1,200   | 800     | 40      | 30      | 8,000   |
| 52.    | 1   | 10,000  | 500     | 500     | 8,000   | 300     | 4,000   | 5,000   | 200    | 250    | 1,200   | 800     | 40      | 30      | 8,000   |
| 53.    | 3   | 18,250  | 800     | 300     | 600     | 500     | 4,000   | 300     | 300    | 230    | 1,000   | 1,000   | 43      | 260     | 20,000  |
| 54.    | 2   | 17,250  | 300     | 300     | 600     | 500     | 4,000   | 300     | 230    | 230    | 1,800   | 1,500   | 75      | 250     | 20,000  |
| 55.    | 3   | 25,000  | 1,680   | 700     | 5,500   | 2,000   | 2,000   | 2,000   | 100    | 130    | 700     | 150     | 480     | 25      | 8,000   |
| 56.    | 1   | 6,000   | 100     | 200     | 10,000  | 800     | 500     | 800     | 100    | 300    | 300     | 900     | 13      | 53      | 5,000   |
| 57.    | 2   | 12,000  | 1,000   | 1,500   | 15,000  | 1,000   | 800     | 800     | 145    | 150    | 540     | 540     | 29      | 28      | 4,500   |
| 58.    | 2   | 12,000  | 1,000   | 1,500   | 15,000  | 1,000   | 800     | 800     | 145    | 150    | 540     | 540     | 29      | 28      | 4,500   |
| 59.    | 1   | 15,000  | 1,000   | 800     | 12,000  | 600     | 200     | 1,800   | 200    | 200    | 405     | 572     | 110     | 182     | 17,000  |
| 60.    | 4   | 7,113   | 1,000   | 600     | 7,186   | 600     | 200     | 150     | 230    | 190    | 200     | 180     | 65      | 65      | 5,000   |
| 61.    | 2   | 8,000   | 1,000   | 600     | 7,186   | 600     | 200     | 150     | 230    | 190    | 200     | 180     | 65      | 65      | 5,000   |
| 62.    | 4   | 3,000   | 450     | 500     | 5,800   | 500     | 400     | 200     | 150    | 200    | 150     | 200     | 40      | 40      | 4,000   |
| 63.    | 3   | 11,000  | 450     | 500     | 5,800   | 500     | 400     | 200     | 150    | 200    | 150     | 200     | 40      | 40      | 4,000   |
| 64.    | 3   | 11,000  | 450     | 500     | 5,800   | 500     | 400     | 200     | 150    | 200    | 150     | 200     | 40      | 40      | 4,000   |
| 65.    | 2   | 105,000 | 3,550   | 4,942   | 60,840  | 9,046   | 7,080   | 9,086   | 300    | 300    | 4,848   | 4,536   | 318     | 453     | 30,500  |
| 66.    | 2   | 30,000  | 236     | 320     | 25,000  | 548     | 1,969   | 582     | 82     | 96     | 185     | 204     | 62      | 155     | 1,200   |
| 67.    | 3   | 30,000  | 1,000   | 1,500   | 25,000  | 550     | 1,500   | 2,900   | 300    | 300    | 900     | 900     | 29      | 29      | 6,000   |
| 68.    | 2   | 14,000  | 100     | 100     | 13,000  | 300     | 300     | 300     | 90     | 90     | 34      | 183     | 30      | 183     | 6,000   |
| 69.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 70.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 71.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 72.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 73.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 74.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 75.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 76.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 77.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 78.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 79.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 80.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 81.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 82.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 83.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 84.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 85.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 86.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 87.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 88.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 89.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 90.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 91.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 92.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| 93.    | 8   | 48,257  | 2,372   | 3,172   | 61,527  | 900     | 4,297   | 5,600   | 237    | 242    | 8,000   | 3,000   | 150     | 240     | 20,000  |
| Totals | 253 | 104,377 | 153,532 | 284,397 | 548,484 | 548,012 | 935,406 | 842,353 | 16,219 | 15,597 | 593,004 | 835,448 | 820,435 | 968,031 | 883,071 |

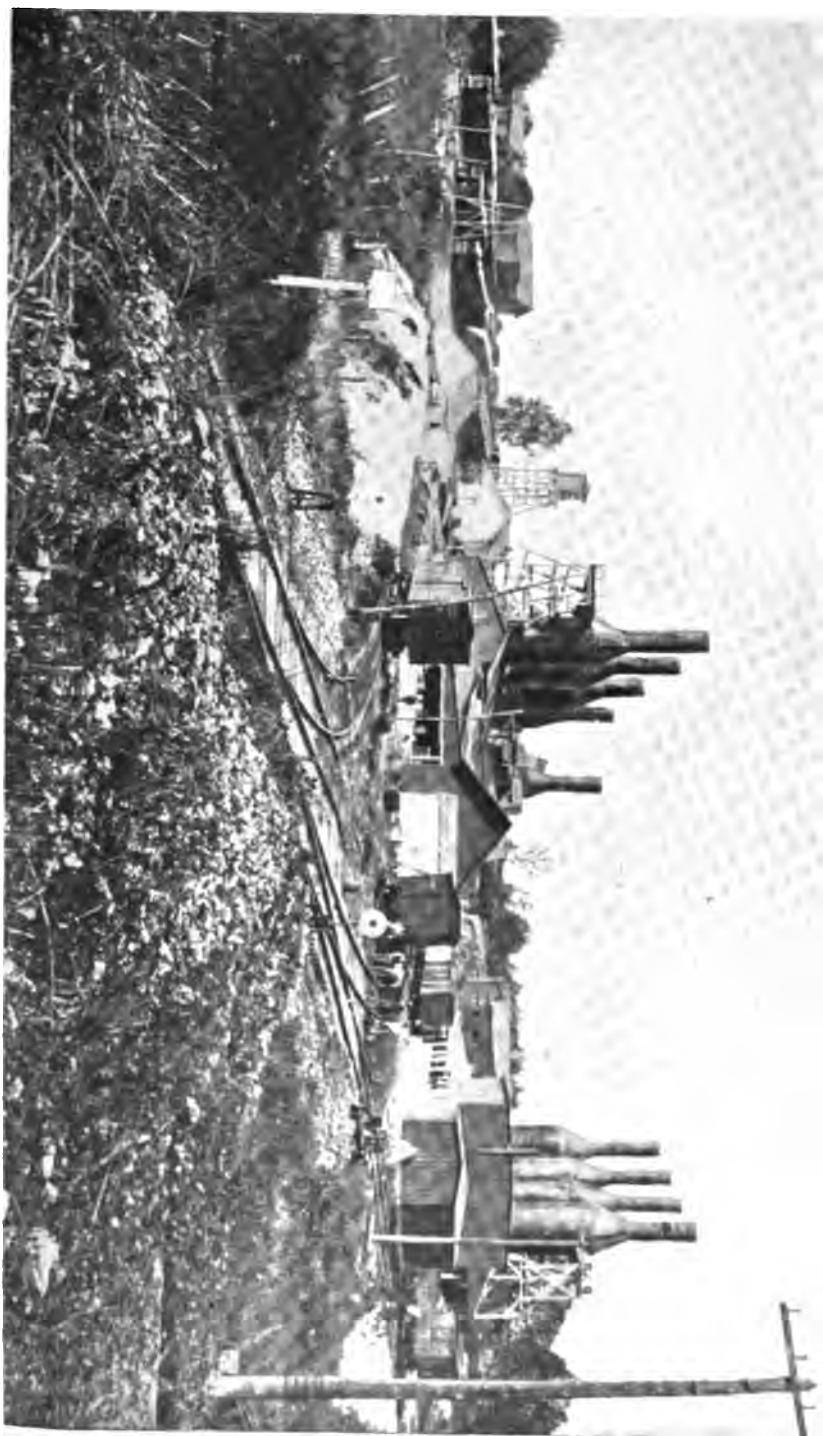
## FLOUR.

Table No. 1.—Continued.

| Office Number | OFFICE HELP  |             |              |             |              |             |              |             |              |             | MILLERS                      |                           |                            | ENGINEERS                    |                           |                            | PACKERS                      |                           |                            | LABORERS                     |                           |                            | FOREMEN                      |                           |                            | COOPERS |  |  |
|---------------|--|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------|--|--|
|               | Average amount paid in salaries each month to each class |             |              |             |              |             |              |             |              |             | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |         |  |  |
|               | No. of Males   | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 1             | 1  | \$ 30       |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 2             | 2  | 125         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 3             | 2  | 50          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 4             | 4  | 24          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 5             | 2  | 1           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 6             | 6  | 50          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 7             | 7  | 1           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 8             | 7  | 1           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 9             | 9  | 75          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 10            | 0  | 100         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 11            | 1  | 70          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 12            | 2  | 250         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 13            | 3  | 250         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 14            | 2  | 65          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 15            | 5  | 600         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 16            | 6  | 17          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 17            | 7  | 45          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 18            | 8  | 8           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 19            | 9  | 9           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 20            | 10   | 150         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 21            | 12   | 45          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 22            | 13   | 150         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 23            | 10   | 30          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 24            | 11   | 50          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 25            | 11   | 50          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 26            | 1  | 125         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 27            | 2  | 100         |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 28            | 1  | 50          |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 29            | 1  | 2           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 30            | 2  | 2           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 31            | 2  | 2           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 32            | 2  | 2           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 33            | 2  | 2           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 34            | 2  | 2           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 35            | 2  | 2           |              |             |              |             |              |             |              |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |

[illegible]





ASH GROVE WHITE LIME CO.'S PLANT, ASH GROVE, MO.  
OFFICE: Builders and Traders' Exchange, Kansas City, Mo.



## CREAMERIES AND CHEESE FACTORIES.

In the sixteenth annual report by this Bureau, issued in 1894, statistics of 31 creameries were given, since which no facts relating to this industry were compiled. From Bulletin No. 18 of the Bureau of Animal Industry of the United States Department of Agriculture, prepared by Hon. Levi Chubbuck, was obtained a list of the creameries and cheese factories of Missouri, to each of which a manufacturers' blank was sent. Many of these were returned marked "uncalled for." Others were sent back by the persons to whom addressed, with the statement that the creamery had gone out of business; did not operate last year, etc., etc. Of the 65 reports received those of 46 creameries and 3 cheese factories only were sufficiently complete for tabulation, and are detailed in tables Nos. 2 and 3.

The reports show an unhealthy condition of these industries. The establishment of too expensive plants has in many instances resulted detrimentally; in some localities the sale of oleomargarine in violation of existing law has injured creameries, and the general business depression which prevailed during 1896, by lessening the wage-earners' ability to buy, compelled the sale of creamery products at prices but little in excess of the cost of production. But these industries are developing rapidly, better business methods are being adopted, and, with a more rigid enforcement of the anti-oleomargarine law, the Bureau's next report will doubtless show better results.

Of the 46 creameries 20 are corporations, having 614 male and 21 female members, and 26 private firms have 270 male and 6 female members, with a total capital of \$606,084, and their aggregate output in 1896 was valued at \$164,792. The total number of days operated by all creameries in 1895 was 8,471, and \$18,288 was paid in wages; in 1896, total number of days operated, 12,227, and wages paid \$26,638. Many of these creameries are conducted on the co-operative plan, hence the amount of clerical and manual labor employed is relatively small.

The average monthly salary of managers was \$55.31; of salesmen, \$50; of bookkeepers, \$29; of clerks, \$24.50; of stenographers, \$15. The average number of persons employed as buttermakers and helpers during each month of 1895 was 73; in 1896, 77. The average daily wages paid buttermakers was \$1.36 for 9 1-7 hours; helpers, 96 cents for 9 1/4 hours.

The average daily wages paid cheesemakers was \$1.41 for 9 1-3 hours; helpers, 75 cents for 8 hours.



Table No. 2

## CREAMERIES

| Office Number | CORPORATION |         |       | PRIVATE FIRMS |         |       | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used, fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials or hand January 1, 1897 | Total number of days in operation during |        | Total amount paid in wages during the year 1896 |       |
|---------------|-------------|---------|-------|---------------|---------|-------|--|---|---|--|---|---|---|--|--------|---|-------|
|               | MEMBERS     |         |       | MEMBERS       |         |       |  |   |   |  |   |   |   | 1896                                     | 1896   |   |       |
|               | Males       | Females | Total | Males         | Females | Total |  |   |   |  |   |   |   |  |        |   |       |
| 1             | 31          | 1       | 32    |               |         |       | \$ 3,000   |   |   |  | \$ 75   |   |   |  |        | 312   |       |
| 2             | 44          |         | 44    |               |         |       | 7,000  |   |   |  | 800   |   |   |  |        | 300   |       |
| 3             |             |         |       |               |         |       | 1,136  | \$ 8  | \$ 11   |  |   |   |   |  |        | 313   | \$45  |
| 4             | 20          |         | 20    | 1             |         | 1     | 3,938  |   | 100   | \$3,006  | 275   | 90  | 175   | 313                                      |        | 183   |       |
| 5             |             |         |       |               |         |       | 4,000  |   |   | 4,000  | 315   |   |   |  |        | 225   | 340   |
| 6             | 41          |         | 41    | 39            | 1       | 40    | 10,336   | 11  | 77  | 8,553  | 663   | 67  | 138   | 280                                      |        | 270   | 340   |
| 7             |             |         |       |               |         |       | 12,000   |   |   |  | 300   |   |   |  |        | 300   |       |
| 8             |             |         |       |               |         |       | 3,635  | 57  | 188   | 2,917  | 350   | 60  | 50  | 180                                      |        | 200   | 140   |
| 9             |             |         |       |               |         |       | 4,300  |   |   |  | 22  |   |   |  |        | 385   | 605   |
| 10            | 10          |         | 10    |               |         |       | 1,900  |   |   |  | 1,200   | 150   |   |  |        | 313   | 380   |
| 11            | 39          |         | 39    |               |         |       | 3,068  | 60  | 120   | 559  | 109   | 30  | 85  | 313                                      |        | 313   | 632   |
| 12            |             |         |       |               |         |       | 2,345  |   |   | 1,998  | 213   |   |   | 313                                      |        | 313   |       |
| 13            | 43          | 1       | 44    | 3             |         | 3     | 2,119  |   | 50  |  | 200   |   | 2,313   |  |        | 162   |       |
| 14            |             |         |       |               |         |       | 9,250  |   |   |  | 380   |   |   |  |        | 250   |       |
| 15            | 33          |         | 33    | 38            |         | 40    | 4,132  |   | 311   | 2,722  | 510   |   |   | 242                                      |        | 312   |       |
| 16            |             |         |       |               |         |       | 4,000  |   |   | 200  | 20  |   |   | 225                                      |        | 242   | 773   |
| 17            | 35          | 1       | 36    |               |         |       | 6,098  | 350   | 572   | 4,838  | 807   | 103   | 90  | 313                                      |        | 312   | 667   |
| 18            | 37          | 1       | 38    |               |         |       | 4,000  |   |   |  |   |   |   |  |        | 225   |       |
| 19            | 20          | 2       | 22    |               |         |       | 4,000  |   | 50  | 396  |   |   |   |  |        | 311   |       |
| 20            | 53          | 2       | 55    |               |         |       | 20,830   |   |   | 16,139   | 2,041   |   |   | 311                                      |        | 311   | 1,300 |
| 21            |             |         |       | 29            |         | 29    | 6,395  |   | 114   | 5,889  | 380   |   | 250   |  |        | 310   |       |
| 22            | 36          | 2       | 38    |               |         |       | 12,000   |   |   | 8,500  | 2,000   |   |   |  |        | 312   |       |
| 23            |             |         |       |               |         |       | 3,000  |   |   |  | 140   |   |   | 280                                      |        | 300   | 800   |
| 24            |             |         |       |               |         |       | 3,000  | 100   | 100   | 2,800  | 200   | 70  | 50  | 300                                      |        | 300   |       |
| 25            |             |         |       |               |         |       | 3,585  |   | 580   |  |   |   |   | 342                                      |        | 353   |       |
| 26            | 10          | 2       | 12    |               |         |       | 7,000  |   |   | 5,120  | 280   | 228   | 200   | 280                                      |        | 280   | 600   |
| 27            |             |         |       |               |         |       | 5,000  | 100   | 100   | 250  | 75  | 25  | 15  | 250                                      |        | 252   | 300   |
| 28            |             |         |       |               |         |       | 1,600  |   |   | 350  | 375   |   |   | 365                                      |        | 365   |       |
| 29            |             |         |       |               |         |       | 1,075  |   |   |  | 20  |   |   | 365                                      |        | 365   |       |
| 30            |             |         |       |               |         |       | 4,256  |   |   | 2,772  | 136   |   |   | 250                                      |        | 250   | 300   |
| 31            |             |         |       |               |         |       | 9,217  | 842   | 248   | 7,254  | 1,200   | 35  | 35  | 808                                      |        | 809   | 750   |
| 32            |             |         |       |               |         |       | 1,600  | 150   | 100   | 1,000  | 125   |   |   | 235                                      |        | 235   | 275   |
| 33            |             |         |       |               |         |       | 6,008  | 315   | 691   | 180  | 325   | 40  | 60  | 219                                      |        | 313   | 438   |
| 34            |             |         |       |               |         |       | 9,000  |   |   | 1,100  | 100   | 1,000   | 1,200   | 240                                      |        | 400   |       |
| 35            | 9           |         | 9     |               |         |       | 700  |   |   | 600  | 93  | 25  | 20  | 100                                      |        | 180   | 175   |
| 36            |             |         |       |               |         |       | 1,794  |   |   | 1,438  | 225   |   |   | 800                                      |        | 300   | 380   |
| 37            |             |         |       |               |         |       | 2,621  | 56  | 120   | 2,433  | 172   |   |   | 312                                      |        | 312   | 317   |
| 38            | 5           |         | 5     |               |         |       | 6,800  |   | 74  | 2,750  | 886   |   | 170   |  |        | 229   |       |
| 39            | 42          |         | 42    |               |         |       | 6,375  |   | 100   | 6,500  | 700   |   | 100   |  |        | 225   |       |
| 40            |             |         |       | 28            |         | 28    | 3,600  |   |   | 3,000  | 425   |   |   |  |        | 365   |       |
| 41            | 47          | 3       | 50    |               |         |       | 2,250  |   |   | 1,550  | 200   |   | 50  |  |        | 282   |       |
| 42            | 37          |         | 37    |               |         |       | 9,000  |   | 300   | 900  | 900   | 100   | 100   | 225                                      |        | 225   | 900   |
| 43            |             |         |       | 19            | 1       | 20    | 1,750  |   | 200   | 1,200  | 40  |   | 80  |  |        | 180   |       |
| 44            | 22          | 6       | 28    |               |         |       | 53,200   |   |   | 28,670   | 1,600   | 400   | 2,800   | 385                                      |        | 386   | 6,000 |
| 45            |             |         |       | 61            | 2       | 63    | 3,000  |   | 30  | 2,300  | 100   |   |   |  |        | 180   |       |
| 46            |             |         |       | 20            |         | 20    | 2,803  | 33  | 28  | 1,682  | 290   |   |   | 340                                      |        | 309   | 360   |
| Totals,       | 614         | 21      | 635   | 270           | 6       | 276   | \$164,792  | \$1,582   | \$4,274   | \$134,238  | \$17,937  | \$2,323   | \$7,901   | 8,471                                    | 12,227 | \$18,288  |       |

Table No. 3

## CHEESE FACTORIES

|         |    |   |    |         |       |       |         |       |       |       |     |     |       |
|---------|----|---|----|---------|-------|-------|---------|-------|-------|-------|-----|-----|-------|
| 1       | 18 | 5 | 23 | \$1,500 | \$400 | \$500 | \$ 75   |       |       |       |     | 122 |       |
| 2       | 3  |   | 3  | 2,500   |       |       | 600     | \$800 | \$100 | \$ 75 | 185 |     |       |
| 3       | 4  |   | 4  | 4,500   | 500   | 450   | 3,500   | 300   |       | 250   | 250 |     |       |
| Totals, | 4  |   | 25 | \$8,500 | \$900 | \$950 | \$4,175 | \$900 | \$100 | \$375 | 435 | 557 | \$ 85 |

Table No. 2—Continued

## CREAMERIES

| Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |         |           |         | Capital invested | Managers and Foremen |              | BUTTER MAKERS |         |                     |                      |       |         | HELPERS    |         |                     |                      |       |         |
|---|-------------------------------|---------|-----------|---------|------------------|----------------------|--------------|---------------|---------|---------------------|----------------------|-------|---------|------------|---------|---------------------|----------------------|-------|---------|
|   |                               |         |           |         |                  |                      |              | No. empl'd    |         | Average daily wages | Hours of daily labor |       |         | No. empl'd |         | Average daily wages | Hours of daily labor |       |         |
|   |                               |         |           |         |                  |                      |              |               |         |                     |                      |       |         |            |         |                     |                      |       |         |
|   | Rent                          | Taxes   | Insurance | Total   | No. of Males     | Amount Paid          | No. employed | Over 16 years |         | Males               | Females              | Males | Females | Males      | Females | Males               | Females              | Males | Females |
|   |                               |         |           |         |                  |                      |              | Males         | Females |                     |                      |       |         |            |         |                     |                      |       |         |
| \$420   |                               | \$ 15   |           | \$ 15   | \$ 3,400         |                      |              | 1             |         | \$1.35              |                      | 7     |         |            |         |                     |                      |       |         |
| 696   |                               | 7       |           | 7       | 6,000            |                      |              | 1             |         | 2.00                |                      | 9     |         |            |         |                     |                      |       |         |
| 309   | \$60                          | 75      |           | 135     | 2,500            |                      |              | 1             | 1       | 1.15                | \$1.00               | 10    | 10      |            |         |                     |                      |       |         |
| 945   |                               |         |           |         | 2,000            |                      |              | 1             |         | 1.16                |                      | 8     |         | 1          |         | \$1.00              |                      | 10    |         |
| 840   |                               | 380     |           | 380     | 4,500            |                      |              | 1             |         | 1.25                |                      | 8     |         | 1          |         | 1.25                |                      | 8     |         |
| 492   |                               | 35      | 30        | 65      | 4,000            | 1                    | \$ 50        | 3             |         | .90                 |                      | 11    |         | 1          |         |                     |                      |       |         |
|   | 80                            |         |           | 80      | 3,000            |                      |              |               |         |                     |                      |       |         |            |         |                     |                      |       |         |
| 300   |                               | 20      |           | 20      | 2,000            |                      |              | 1             |         | 1.00                |                      | 14    |         |            |         |                     |                      |       |         |
| 645   |                               | 10      |           | 10      | 3,500            |                      |              | 2             |         | .88                 |                      | 8     |         |            |         |                     |                      |       |         |
| 250   |                               | 1       |           | 1       | 3,000            | 1                    | 35           | 1             |         | .77                 |                      | 4     |         |            |         |                     |                      |       |         |
| 480   |                               | 13      |           | 13      | 4,500            |                      |              | 1             |         | 1.00                |                      | 10    |         |            |         |                     |                      |       |         |
|   |                               | 14      |           | 14      | 1,000            |                      |              | 1             |         | .72                 |                      | 8     |         |            |         |                     |                      |       |         |
| 250   |                               |         |           |         | 2,200            |                      |              | 50            |         |                     |                      |       |         |            |         |                     |                      |       |         |
| 700   |                               | 48      |           | 48      | 4,000            | 1                    |              | 50            | 1       | .85                 |                      | 10    |         |            |         |                     |                      |       |         |
| 700   |                               | 18      |           | 18      | 3,800            | 1                    |              | 40            | 1       | 2.00                |                      | 8     |         | 1          |         | .50                 |                      | 8     |         |
| 900   |                               | 2       |           | 2       | 4,000            | 1                    | 120          | 1             |         | 1.54                |                      | 10    |         | 1          |         | 1.16                |                      | 10    |         |
| 873   |                               | 22      |           | 22      | 3,900            | 2                    |              | 37            | 1       | 1.75                |                      | 8     |         | 1          |         | 1.50                |                      | 10    |         |
| 700   |                               |         |           |         | 4,500            | 1                    |              | 50            | 1       | 1.75                |                      | 10    |         | 3          |         | 1.10                |                      | 10    |         |
| 1,300   |                               | 13      | 44        | 57      | 5,500            |                      |              | 1             |         | 1.35                |                      | 8     |         | 1          |         | 1.15                |                      | 7     |         |
| 780   |                               | 30      |           | 30      | 2,500            |                      |              | 1             |         | 1.25                |                      | 10    |         | 1          |         | 1.00                |                      | 10    |         |
| 1,164   |                               | 38      | 60        | 98      | 5,100            | 1                    | 75           | 1             |         | 1.40                |                      | 10    |         | 2          |         | 1.00                |                      | 10    |         |
| 1,000   |                               | 20      |           | 20      | 2,000            | 1                    |              | 40            |         |                     |                      |       |         |            |         |                     |                      | 10    |         |
|   |                               | 8       |           | 8       | 2,500            |                      |              | 1             |         | 1.25                |                      | 10    |         |            |         |                     |                      |       |         |
| 390   |                               | 4       |           | 4       | 1,600            |                      |              | 1             |         | 1.25                |                      | 10    |         | 1          |         | 1.00                |                      | 10    |         |
| 570   |                               | 9       |           | 9       | 3,150            | 1                    | 114          | 1             |         | 1.00                |                      | 10    |         |            |         |                     |                      |       |         |
| 350   |                               |         |           |         | 1,200            |                      |              | 1             |         |                     |                      |       |         |            |         |                     |                      |       |         |
|   |                               | 45      |           | 45      | 5,500            |                      |              |               |         |                     |                      |       |         |            |         |                     |                      |       |         |
|   |                               | 65      | 7         | 72      | 8,000            |                      |              | 1             |         | .60                 |                      | 10    |         |            |         |                     |                      |       |         |
| 290   |                               | 10      | 24        | 34      | 2,000            |                      |              | 1             |         | 1.50                |                      | 10    |         | 1          |         | .30                 |                      | 10    |         |
| 640   |                               | 15      |           | 15      | 5,000            |                      |              | 1             |         | 1.25                |                      | 10    |         |            |         |                     |                      |       |         |
| 275   | 12                            |         |           | 12      | 500              |                      |              | 1             |         | 2.00                |                      | 8     |         |            |         |                     |                      |       |         |
| 800   |                               | 48      |           | 44      | 3,500            | 1                    | 10           | 1             |         |                     |                      |       |         | 2          |         | .60                 |                      | 12    |         |
| 450   |                               | 80      |           | 80      | 12,000           | 1                    | 20           | 1             |         | 2.92                |                      | 10    |         |            |         |                     |                      |       |         |
| 370   |                               | 15      |           | 30      | 2,100            | 2                    | 21           | 1             |         | 1.10                |                      | 6     |         |            |         |                     |                      |       |         |
| 300   | 5                             |         |           |         | 2,000            | 1                    | 30           | 1             |         | 1.00                |                      | 10    |         | 1          |         | 1.00                |                      | 10    |         |
| 317   |                               |         |           |         | 1,000            |                      |              | 1             |         |                     |                      |       |         |            |         |                     |                      |       |         |
| 383   | 120                           |         |           | 140     | 5,650            | 1                    | 35           | 1             |         | 1.35                |                      | 10    |         |            |         |                     |                      |       |         |
| 450   |                               | 15      |           | 15      | 4,200            | 1                    | 60           | 1             |         |                     |                      |       |         |            |         |                     |                      |       |         |
| 350   |                               |         |           |         | 2,950            | 1                    | 50           | 1             |         | 2.00                |                      | 10    |         |            |         |                     |                      |       |         |
| 450   |                               |         |           |         | 3,225            | 1                    | 50           | 1             |         | 2.00                |                      | 10    |         |            |         |                     |                      |       |         |
| 900   |                               | 11      |           | 11      | 4,200            |                      |              | 1             |         | 1.25                |                      | 10    |         |            |         |                     |                      |       |         |
| 180   |                               |         |           |         | 1,000            |                      |              |               |         |                     |                      |       |         | 12         |         | 1.25                |                      | 10    |         |
| 5,100   |                               | 3,882   | 428       | 4,310   | 450,000          | 2                    | 200          | 1             |         | 1.90                |                      | 8     |         | 1          |         | .75                 |                      | 4     |         |
| 420   |                               |         |           |         | 3,700            | 1                    | 25           | 1             |         | 1.15                |                      | 7     |         |            |         |                     |                      |       |         |
| 380   |                               | 9       | 25        | 34      | 4,400            |                      |              |               |         |                     |                      |       |         |            |         |                     |                      |       |         |
| \$26,658  | \$277                         | \$4,894 | \$783     | \$5,894 | \$606,084        | 24                   | \$1,162      | 38            | 1       | \$47.50             | \$1.00               | 320   | 10      | 30         |         | \$14.46             |                      | 130   |         |

Table No. 3—Continued

## CHEESE FACTORIES

|         |  |      |      |      |         | CHEESE MAKERS |  |        |  | HELPERS |  |   |        |
|---------|--|------|------|------|---------|---------------|--|--------|--|---------|--|---|--------|
|         |  |      |      |      |         |               |  |        |  |         |  |   |        |
|         |  |      |      |      |         |               |  |        |  |         |  |   |        |
| \$120   |  |      |      |      | \$ 850  | 1             |  | \$1.00 |  | 10      |  |   |        |
| 295     |  |      |      |      | 1,000   | 1             |  | 1.75   |  | 10      |  |   |        |
| 600     |  | \$30 | \$30 | \$30 | 2,500   | 1             |  | 1.50   |  | 8       |  | 1 | \$0.75 |
| \$1,005 |  | \$30 | \$30 | \$30 | \$4,350 | 3             |  | \$4.25 |  | 28      |  | 1 | \$0.75 |



## LUMBER.

The Bureau received reports from 47 sawmills, 29 of which are included in the tabulation, the others lacking essential data. These 29 mills have an aggregate capital of \$3,024,128 and the value of their product in 1896 was \$2,231,669. Of the incomplete reports, 8 had an aggregate capital of \$74,700 and product valued at \$30,150, making a total capital for 37 plants of \$3,054,278, and product valued at \$2,261,819.

Of the 29 plants, 17 are corporations having 88 male and 10 female members, and 12 are private firms having 21 male members.

The excess in total number of days operated in 1896 over 1895 was 1,417, and the excess of wages paid was \$287,410.

They employed as managers 43 males at an average monthly salary of \$116.75; salesmen, 14 males at a salary of \$131.10; book-keepers, 26 males at \$66.90, and 1 female at \$30; clerks, 16 males at \$52.50, and 3 females at \$38; stenographers, 5 males at \$48.60 and 3 females at \$57.50.

Of manual labor they employed during each month in 1895 an average of 2,630 persons, and in 1896 an average of 3,324.

The average daily wages paid foremen was \$2.88; engineers and firemen, \$1.84; sawyers, \$2.57; filers, \$3.47; millmen, \$1.55; loggers, \$1.38; laborers, \$1.24.

In answer to Question No. 14, various opinions are advanced as to what would improve the lumber interest. A majority contend that a larger volume of money in circulation would help their business. Others desire a high protective tariff, while a few whose present business is not satisfactory profess to believe that all of their ills are directly attributable to legislation, and that if our lawmakers would take a lengthy vacation the lumber business would assume a healthy condition. Discrimination in freight rates is claimed to be injurious to small operators.

Detailed statistics of the lumber industry are given in Table No. 4.

LUMBER.

Table No. 4.

| Office Number | Corporation |         | Private firms—male members |      | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |           |         |         | Capital invested | No. of Males | Amount Paid | Office Help Av. amt. paid each month to each class |
|---------------|-------------|---------|----------------------------|------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|-----------|---------|---------|------------------|--------------|-------------|--|
|               | Males       | Females | Total                      | Rent |  |   |   |  |  |   |   |   |   |   |   | Taxes                         | Insurance | Total   |         |                  |              |             |  |
| 1             | 4           |         | 4                          |      | \$124,611  | \$36,468  | \$51,475  | \$9,585  | \$19,833   | \$500   | \$2,000   | 105   | 814   | \$27,868  | \$114,517                                       | \$2,107                       | \$3,951   | \$4,473 | \$9,068 | \$900,000        | 2            | \$120       |  |
| 2             | 11          |         | 11                         |      | 624,350  | 215,000   | 173,871   | 40,128   | 19,833   | 6,000   | 4,500   | 300   | 279   | 291,980   | 293,082   | 8,867                         | 4,473     | 4,473   | 18,140  | 500,000          | 280          | \$280       |  |
| 3             | 6           | 3       | 9                          |      | 250,000  | 40,000  | 50,000  | 78,000   | 20,000   | 77,000  | 26,000  | 200   | 240   | 54,000  | 65,801  | 1,810                         | 3,870     | 3,870   | 10,822  | 500,000          | 200          | \$200       |  |
| 4             | 8           | 2       | 10                         |      | 125,000  | 20,000  | 76,198  | 201,000  | 20,000   | 3,000   | 130,240   | 278   | 283   | 173,932   | 157,151   | 6,932                         | 8,870     | 8,870   | 10,822  | 500,000          | 200          | \$140       |  |
| 5             | 9           | 3       | 12                         |      | 88,524   | 40,517  | 41,186  | 58,348   | 5,000  | 3,000   | 28,000  | 278   | 278   | 18,438  | 17,239  | 1,495                         | 2,247     | 2,247   | 4,495   | 109,265          | 22           | \$98        |  |
| 6             | 13          | 3       | 16                         |      | 105,969  | 79,800  | 50,948  | 20,000   | 6,000  | 28,271  | 278   | 278   | 274   | 28,257  | 28,981  | 1,616                         | 2,247     | 2,247   | 3,893   | 115,000          | 22           | \$126       |  |
| 7             | 8           |         | 8                          |      | 38,450   | 2,000   | 2,000   | 2,500  | 4,000  | 4,000   | 5,000   | 160   | 202   | 35,000  | 60,000  | 1,732                         | 800       | 780     | 1,532   | 100,000          | 22           | \$118       |  |
| 8             | 4           |         | 4                          |      | 75,000   | 2,000   | 2,500   | 24,038   | 1,000  | 4,000   | 1,801   | 150   | 200   | 7,500   | 9,000   | 747                           | 1,119     | 1,119   | 1,866   | 208,110          | 2            | \$136       |  |
| 9             | 10          |         | 10                         |      | 16,408   | 1,000   | 1,801   | 2,000  | 2,000  | 1,000   | 1,801   | 180   | 180   | 3,000   | 3,000   | 278                           | 40        | 40      | 278     | 13,000           | 2            | \$78        |  |
| 10            | 12          |         | 12                         |      | 7,000  | 1,000   | 4,000   | 2,000  | 2,000  | 1,000   | 1,801   | 180   | 180   | 3,000   | 3,000   | 40                            | 40        | 40      | 40      | 4,000            | 2            | \$200       |  |
| 11            | 12          |         | 12                         |      | 15,000   | 20,000  | 4,000   | 10,000   | 25   | 18,000  | 4,300   | 175   | 140   | 4,000   | 8,500   | 125                           | 140       | 125     | 125     | 10,000           | 1            | \$76        |  |
| 12            | 14          |         | 14                         |      | 40,000   | 3,500   | 5,000   | 13,500   | 200  | 3,200   | 4,300   | 103   | 165   | 2,500   | 4,800   | 400                           | 500       | 500     | 1,000   | 54,000           | 1            | \$76        |  |
| 13            | 15          | 5       | 20                         |      | 60,000   | 15,000  | 16,000  | 25,000   | 1,000  | 900   | 900   | 280   | 280   | 18,000  | 18,000  | 400                           | 500       | 500     | 1,000   | 54,000           | 1            | \$76        |  |
| 14            | 16          | 3       | 19                         |      | 2,000  | 500   | 800   | 800  | 1,000  | 500   | 400   | 156   | 156   | 819   | 819   | 9                             | 48        | 48      | 84      | 300,000          | 0            | \$150       |  |
| 15            | 18          |         | 18                         |      | 3,000  | 800   | 850   | 300  | 18   | 500   | 400   | 156   | 156   | 819   | 819   | 25                            | 9         | 9       | 84      | 300,000          | 0            | \$150       |  |
| 16            | 19          | 3       | 22                         |      | 264,400  | 120,000   | 128,000   | 12,000   | 900  | 6,000   | 6,000   | 300   | 300   | 3,800   | 3,800   | 150                           | 300       | 300     | 450     | 1,000            | 1            | \$76        |  |
| 17            | 20          | 4       | 24                         |      | 4,200  | 1,000   | 1,000   | 1,000  | 100  | 5,500   | 7,000   | 250   | 250   | 8,700   | 8,700   | 75                            | 75        | 75      | 75      | 1,500            | 1            | \$46        |  |
| 18            | 22          | 4       | 26                         |      | 9,000  | 1,000   | 2,000   | 6,000  | 250  | 5,500   | 7,000   | 300   | 300   | 8,700   | 8,700   | 75                            | 75        | 75      | 75      | 1,500            | 1            | \$46        |  |
| 19            | 23          |         | 23                         |      | 110,714  | 96,168  | 89,897  | 6,688  | 43,688   | 46,168  | 72,598  | 228   | 228   | 114,561   | 120,000   | 1,432                         | 3,116     | 3,116   | 4,658   | 80,000           | 1            | \$90        |  |
| 20            | 24          | 2       | 26                         |      | 6,000  | 500   | 4,000   | 8,500  | 200  | 500   | 500   | 288   | 288   | 26,139  | 24,980  | 178                           | 135       | 135     | 811     | 30,000           | 2            | \$42        |  |
| 21            | 25          | 1       | 26                         |      | 15,000   | 2,000   | 9,000   | 4,000  | 1,200  | 1,700   | 1,653   | 156   | 156   | 2,230   | 2,100   | 88                            | 88        | 88      | 88      | 8,500            | 1            | \$48        |  |
| 22            | 26          | 3       | 29                         |      | 128,000  | 9,000   | 1,675   | 88,000   | 888  | 3,600   | 1,000   | 251   | 274   | 19,000  | 18,000  | 75                            | 75        | 75      | 75      | 6,000            | 1            | \$48        |  |
| 23            | 27          | 8       | 35                         |      | 62,500   | 19,028  | 87,677  | 41,822   | 4,286  | 3,600   | 1,000   | 250   | 250   | 21,480  | 23,000  | 1,200                         | 1,200     | 1,200   | 2,900   | 100,000          | 2            | \$126       |  |
| 24            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |
| 25            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |
| 26            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |
| 27            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |
| 28            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |
| 29            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |
| 30            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |
| 31            | 28          | 10      | 38                         |      | 82,221,690   | 8,906,951   | 9,787,770   | 9,769,170  | 8,119,441  | 1,199,741   | 3,200,000   | 286   | 286   | 21,480  | 23,000  | 642                           | 664       | 664     | 1,851   | 40,000           | 2            | \$126       |  |

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| OFFICE HELP                                  |             |              |             |              |             |               |             |              |             | FOREMEN                      |             |              | ENGINEERS                 |              |             | SAWYERS                    |             |              | MILLMEN                      |              |             | LOGGERS                   |             |              | LABORERS                   |              |             | FILERS                       |             |              |                           |        |    |                            |  |  |
|--|-------------|--------------|-------------|--------------|-------------|---------------|-------------|--------------|-------------|------------------------------|-------------|--------------|---------------------------|--------------|-------------|----------------------------|-------------|--------------|------------------------------|--------------|-------------|---------------------------|-------------|--------------|----------------------------|--------------|-------------|------------------------------|-------------|--------------|---------------------------|--------|----|----------------------------|--|--|
| Average amount paid each month to each class |             |              |             |              |             |               |             |              |             | Males employed over 16 years |             |              | Average daily wages—males |              |             | Hours of daily labor—males |             |              | Males employed over 16 years |              |             | Average daily wages—males |             |              | Hours of daily labor—males |              |             | Males employed over 16 years |             |              | Average daily wages—males |        |    | Hours of daily labor—males |  |  |
| Salesmen                                     |             | Book-keepers |             | Clerks       |             | Stenographers |             |              |             | Males employed over 16 years |             |              | Average daily wages—males |              |             | Hours of daily labor—males |             |              | Males employed over 16 years |              |             | Average daily wages—males |             |              | Hours of daily labor—males |              |             | Males employed over 16 years |             |              | Average daily wages—males |        |    | Hours of daily labor—males |  |  |
| No. of Males                                 | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Males                 | Amount Paid | No. of Males | Amount Paid               | No. of Males | Amount Paid | No. of Males               | Amount Paid | No. of Males | Amount Paid                  | No. of Males | Amount Paid | No. of Males              | Amount Paid | No. of Males | Amount Paid                | No. of Males | Amount Paid | No. of Males                 | Amount Paid | No. of Males | Amount Paid               |        |    |                            |  |  |
| 1  | 100         | 4            | \$ 61       | 1            | \$ 75       | 1             | \$ 40       | 2            | \$ 63       | 1                            | \$3.00      | 11           |                           |              |             | 2                          | 3.00        | 11           |                              | 4            | \$1.87      | 11                        | 78          | \$1.10       | 11                         |              | 135         | \$1.05                       | 11          |              | 135                       | \$1.05 | 11 |                            |  |  |
| 2  | 100         | 2            | 88          | 4            | 150         | 1             | 60          | 1            | 60          | 15                           | 2.00        | 11           |                           |              |             | 8                          | 3.50        | 11           |                              | 135          | 1.65        | 11                        | 897         | 1.50         | 11                         |              | 140         | 1.40                         | 11          |              | 140                       | 1.40   | 11 |                            |  |  |
| 3  | 100         | 1            | 66          | 1            | 75          | 1             | 50          | 1            | 50          | 6                            | \$2.25      | 10           |                           |              |             | 1                          | 2.25        | 10           |                              | 135          | 2.00        | 11                        | 250         | 2.00         | 11                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 4  | 100         | 1            | 150         | 1            | 25          | 1             | 20          | 1            | 20          | 3                            | 1.90        | 10           |                           |              |             | 1                          | 4.00        | 10           |                              | 17           | 1.98        | 11                        | 8           | 1.50         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 5  | 100         | 1            | 110         | 1            | 50          | 1             | 50          | 1            | 50          | 12                           | 1.75        | 10           |                           |              |             | 2                          | 4.00        | 10           |                              | 10           | 1.65        | 10                        | 50          | 1.45         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 6  | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 2.00        | 11           |                           |              |             | 1                          | 1.00        | 10           |                              | 6            | 1.60        | 10                        | 9           | 1.25         | 11                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 7  | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 11           | 1.32        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 8  | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 9  | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 10   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 11   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 12   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 13   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 14   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 15   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 16   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 17   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 18   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 19   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 20   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 21   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 22   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 23   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 24   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 25   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 26   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 27   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 28   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 29   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 30   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 31   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 32   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 33   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 34   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 35   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 36   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 37   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 38   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 39   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 40   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 41   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 42   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 43   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 44   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 45   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 46   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 47   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 48   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 49   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 50   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            | 1.50        | 10           |                           |              |             | 1                          | 1.00        | 10           |                              | 2            | 1.50        | 10                        | 6           | 1.25         | 10                         |              | 150         | 1.50                         | 11          |              | 150                       | 1.50   | 11 |                            |  |  |
| 51   | 100         | 1            | 100         | 1            | 34          | 1             | 34          | 1            | 34          | 1                            |             |              |                           |              |             |                            |             |              |                              |              |             |                           |             |              |                            |              |             |                              |             |              |                           |        |    |                            |  |  |



## PLANING MILLS.

Reports were received from 25 mills, 19 of which were tabulated. Of the 19 plants 13 are incorporated, having 62 male and 10 female members, and 6 are private firms having 9 male members.

Almost without exception, the planing mills of the State report a poor and unprofitable business during 1896, but that indications favor a marked improvement during the present year. Among the reasons assigned for this unfavorable condition is the depressed state of the lumber, furniture, trunk, box and other trades upon which the planing mills are directly dependent, also the strong competition of the large Northern mills.

These 19 plants have a total capital of \$1,273,490, and their manufactures during 1896 amounted to \$1,646,075. Of the incomplete reports 5 had an aggregate capital of \$210,235, and their output was valued at \$171,550, making a total capital for 24 plants of \$1,483,725, and an output of \$1,817,625.

The amount paid in wages during 1896 exceeded 1895 by \$33,395, while the total number of days operated in 1896 exceeded 1895 by 207. The average number of persons employed during each month of 1895 was 824; during 1896 the average was 836.

They employed as managers 26 males at an average monthly salary of \$108.73; salesmen, 15 males at \$89; bookkeepers, 13 males at \$97.92, and 1 female at \$25; clerks, 10 males at \$50.70; stenographers, 2 males at \$22, and 4 females at \$48.33.

The average daily wages paid to foremen was \$2.94 for 9½ hours; engineers and firemen, \$2.82 for 9 1-5 hours; machine men, \$2.13 for 9 1-3 hours; bench men, \$2.08 for 9 1-5 hours; teamsters, \$1.64 for 9½ hours; laborers, \$1.26 for 9 2-5 hours.

The details of this industry are given in Table 5.





PLANING MILLS.

Table No. 5—Continued.

| OFFICE<br>NUMBER | OFFICE HELP<br>Average amount paid each month to each class |                |                 |                |                 |                |                 |                |                 |                                 | ENGINEERS                     |                                |                                 | FOREMEN                       |                                |                                 | MACHINE<br>MEN                |                                |                                 | BENCHMEN                      |                                |                                 | LABORERS                      |                                |                                 | TEAMSTERS                     |                                |                |                 |                |  |
|------------------|---|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------|-----------------|----------------|--|
|                  | Salesmen  |                | Book-keepers    |                | Clerks          |                | Stenographers   |                |                 | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males |                |                 |                |  |
|                  |   |                |                 |                |                 |                |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
|                  | No. of<br>Males   | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid                  | No. of<br>Males               | Amount<br>Paid                 | No. of<br>Males                 | Amount<br>Paid                | No. of<br>Males                | Amount<br>Paid                  | No. of<br>Males               | Amount<br>Paid                 | No. of<br>Males                 | Amount<br>Paid                | No. of<br>Males                | Amount<br>Paid                  | No. of<br>Males               | Amount<br>Paid                 | No. of<br>Males                 | Amount<br>Paid                | No. of<br>Males                | Amount<br>Paid | No. of<br>Males | Amount<br>Paid |  |
| 1                | 2   | \$ 88          | 1               | \$100          | 2               | \$67           |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 2                |   |                | 1               | 90             |                 |                |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 3                |   |                | 1               | 75             | 1               | 41             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 4                |   |                |                 |                |                 |                |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 5                |   |                | 1               | 125            | 1               | 41             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 6                |   |                | 1               | 125            | 1               | 41             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 7                | 2   | 100            | 1               | 100            | 1               | 40             |                 | \$60           |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 8                | 2   | 85             | 1               | 100            | 1               | 65             | 1               | 40             |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 9                |   | 75             | 1               | 75             | 3               | 65             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 0                |   |                | 1               | 150            | 1               | 15             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 1                | 5   | 55             | 1               | 125            | 6               | 75             |                 | 55             |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 2                |   |                | 1               | 135            | 2               | 80             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 3                |   |                | 1               | 135            | 2               | 80             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 4                |   |                |                 |                |                 |                |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 5                |   |                |                 |                |                 |                |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 6                |   |                |                 |                |                 |                |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 7                | 1   | 175            | 1               | 85             | 1               | 50             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 8                |   |                |                 |                |                 |                |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| 9                | 1   | 45             | 1               | 55             | 1               | 30             |                 |                |                 |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                |                 |                |  |
| Totals           | 15  | \$623          | 13              | \$1,273        | 19              | \$507          | 2               | \$44           | 4               | \$145                           | 6                             | \$14.10                        | 48                              | 17                            | \$29.35                        | 95                              | \$40.52                       | 177                            | \$26                            | \$63.80                       | 147                            | 101                             | \$1.64                        | 122                            | \$2                             | \$16.44                       | 95                             |                |                 |                |  |



## STAVES AND COOPERAGE.

In this industry the reports of 16 factories are tabulated, 5 being corporations, having 28 male and 1 female members, and 11 are private firms, composed of 14 male members.

An analysis of Table No. 6 shows this industry to be in a prosperous condition. In answer to Question No. 14, some complaint is made about the alleged injustice of the railroads charging the same freight rates on manufactured products and raw cooperage material brought from the North, in support of which the statement is made that in the process of manufacturing 20 per cent of the gross weight of the material is lost, thus giving the Northern manufacturer that much advantage over local operators. The tendency to substitute bags for barrels in the handling of various articles of merchandise is also noted as having an injurious effect upon the cooperage industry.

The average number of persons employed during each month of 1895 was 508; in 1896 the average was 492. The amount of wages paid in 1895 exceeded 1896 by \$33,768.

Nineteen managers were employed at an average salary of \$92 per month; bookkeepers, 4 males at \$70; clerks, 1 male at \$60.

The average daily wages paid foremen was \$2.11 for 9 4-5 hours; engineers and firemen, \$1.67 for 9 2-3 hours; sawyers, \$2.20 for 10 hours; coopers, \$1.51 for 9½ hours; kiln men, \$1.97 for 10 hours; laborers, \$1.30 for 9¾ hours; match boys, 93 cents for 9¾ hours.

Table No. 6.

## STAVES AND COOPERAGE.

| OFFICE NUMBER | Corporation |         | Private Firms |       | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT<br>PAID IN 1896<br>FOR |         |         |           |       |
|---------------|-------------|---------|---------------|-------|---|--|--|---|--|--|--|--|--|--|--|-------------------------------------|---------|---------|-----------|-------|
|               | Males       | Females | Total         | Males |   |  |  |   |  |  |  |  |  |  |  | Total                               | Rent    | Taxes   | Insurance | Total |
|               |             |         |               |       |   |  |  |   |  |  |  |  |  |  |  |                                     |         |         |           |       |
| 1             | 1           | ..      | 1             | 1     | 2   | \$ 1,800   | \$ 1,800   | 600   | \$ 500   | \$ 800   | \$ 2,400   | 275  | 275  | \$ 400   | \$ 2,750   | ..                                  | \$ 24   | \$ 42   | \$ 66     |       |
| 2             | 8           | ..      | 8             | 1     | 9   | 6,000  | 16,000   | 2,500   | 500  | 20,000   | 23,000   | 282  | 275  | 13,000   | 11,000   | ..                                  | 400     | 800     | 1,200     |       |
| 3             | 8           | ..      | 8             | ..    | 8   | 1,800  | 4,000  | 1,000   | 100  | 9,000  | 7,500  | 300  | 270  | 12,150   | 9,500  | ..                                  | 155     | 145     | 300       |       |
| 4             | 8           | 1       | 9             | ..    | 9   | 1,500  | 2,125  | 2,000   | 125  | 3,200  | 8,000  | 300  | 300  | 8,080  | 6,080  | ..                                  | 810     | 204     | 514       |       |
| 5             | 8           | ..      | 8             | ..    | 8   | 24,500   | 2,800  | 21,000  | 460  | 15,000   | 12,000   | 190  | 110  | 11,000   | 6,800  | ..                                  | 873     | 150     | 523       |       |
| 6             | ..          | ..      | ..            | 1     | 1   | 7,000  | 885  | 4,200   | ..   | 2,500  | 2,100  | 300  | 275  | 2,575  | 2,224  | ..                                  | 76      | 25      | 100       |       |
| 7             | 16          | ..      | 16            | ..    | 16  | 100,000  | 7,475  | ..  | ..   | 564  | 400  | 300  | 300  | 16,230   | 20,215   | 2,066                               | 972     | 1,100   | 4,138     |       |
| 8             | ..          | ..      | ..            | ..    | ..  | 7,487  | 100  | 6,500   | ..   | 7,000  | 7,800  | 280  | 270  | 1,235  | 1,688  | 480                                 | 85      | 64      | 645       |       |
| 9             | ..          | ..      | ..            | ..    | ..  | 9,000  | 100  | 8,898   | 10   | 400  | 500  | 270  | 270  | 1,900  | 2,000  | ..                                  | 41      | 600     | 119       |       |
| 10            | 8           | ..      | 8             | ..    | 8   | 78,900   | 7,000  | 40,000  | 4,200  | 35,000   | 28,000   | 250  | 250  | 32,000   | 23,000   | 150                                 | 237     | 41      | 641       |       |
| 11            | ..          | ..      | ..            | 2     | 2   | 13,000   | 100  | 10,000  | 80   | 1,000  | 700  | 250  | 250  | 4,500  | 4,200  | ..                                  | 35      | 125     | 357       |       |
| 12            | ..          | ..      | ..            | 1     | 1   | 13,000   | 100  | 10,000  | ..   | 81,122   | 22,000   | 210  | 177  | 68,000   | 37,500   | ..                                  | 244     | 123     | 387       |       |
| 13            | ..          | ..      | ..            | ..    | ..  | 120,227  | 5,960  | 6,400   | ..   | 2,150  | 2,300  | 200  | 200  | 4,800  | 4,000  | ..                                  | 140     | 130     | 280       |       |
| 14            | ..          | ..      | ..            | 1     | 1   | 10,580   | ..   | 6,400   | ..   | 800  | 800  | 280  | 280  | 4,800  | 4,000  | ..                                  | ..      | 60      | 108       |       |
| 15            | ..          | ..      | ..            | ..    | ..  | 8,000  | ..   | ..  | ..   | ..   | ..   | ..   | ..   | ..   | ..   | ..                                  | ..      | ..      | ..        |       |
| 16            | ..          | ..      | ..            | ..    | ..  | ..   | ..   | ..  | ..   | ..   | ..   | ..   | ..   | ..   | ..   | ..                                  | ..      | ..      | ..        |       |
| Totals        | 28          | 1       | 29            | 14    | 14  | \$322,034  | \$24,837   | \$174,878   | \$5,976  | \$127,966  | \$112,760  | 3,612  | 3,772  | \$180,400  | \$146,632  | \$2,739                             | \$3,110 | \$3,493 | \$9,398   |       |

STAVES AND COOPERAGE.

Table No. 8—Continued.

| OFFICE<br>NUMBER - | Capital invested | OFFICE HELP<br>Average amount paid each<br>month to each class |                |                  |                | ENGINEERS       |                                    |                               | FOREMEN                        |                                 |                               | SAWYERS                        |                                 |                               | COOPERS                        |                                 |                               | KILNMEN                        |                                 |                               | LABORERS                       |                                 |                               | MATCH<br>BOYS                  |                 |                |                 |
|--------------------|------------------|--|----------------|------------------|----------------|-----------------|------------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-----------------|----------------|-----------------|
|                    |                  | Managers<br>and<br>Foremen                                     |                | Book-<br>Keepers |                | Clerks          | Males<br>employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Daily hours of labor—<br>males |                 |                |                 |
|                    |                  | No. of<br>Males  | Amount<br>Paid | No. of<br>Males  | Amount<br>Paid |                 |                                    |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | No. of<br>Males | Amount<br>Paid | No. of<br>Males |
|                    |                  |  |                |                  |                | No. of<br>Males | Amount<br>Paid                     | No. of<br>Males               | Amount<br>Paid                 | No. of<br>Males                 | Amount<br>Paid                | No. of<br>Males                | Amount<br>Paid                  | No. of<br>Males               | Amount<br>Paid                 | No. of<br>Males                 | Amount<br>Paid                | No. of<br>Males                | Amount<br>Paid                  | No. of<br>Males               | Amount<br>Paid                 | No. of<br>Males                 | Amount<br>Paid                | No. of<br>Males                |                 |                |                 |
| 1.                 | \$ 2,000         | 1  | \$ 50          | 1                | \$ 100         | 1               | \$ 80                              | 10                            | \$1.50                         | 10                              | \$1.25                        | 10                             | \$1.50                          | 10                            | \$1.50                         | 10                              | \$1.50                        | 10                             | \$1.50                          | 10                            | \$1.50                         | 10                              | \$1.50                        | 10                             | \$1.50          | 10             | \$1.50          |
| 2.                 | 6,000            | 4  | 100            | 1                | 20             | 1               | 20                                 | 10                            | 2.00                           | 10                              | 2.00                          | 10                             | 2.00                            | 10                            | 2.00                           | 10                              | 2.00                          | 10                             | 2.00                            | 10                            | 2.00                           | 10                              | 2.00                          | 10                             | 2.00            | 10             | 2.00            |
| 3.                 | 55,000           | 1  | 88             | 1                | 155            | 1               | 155                                | 10                            | 1.75                           | 10                              | 1.75                          | 10                             | 1.75                            | 10                            | 1.75                           | 10                              | 1.75                          | 10                             | 1.75                            | 10                            | 1.75                           | 10                              | 1.75                          | 10                             | 1.75            | 10             | 1.75            |
| 4.                 | 25,000           | 2  | 155            | 1                | 50             | 1               | 50                                 | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40            | 9              | 2.40            |
| 5.                 | 30,000           | 1  | 50             | 1                | 100            | 1               | 100                                | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40            | 9              | 2.40            |
| 6.                 | 2,000            | 2  | 100            | 1                | 100            | 1               | 100                                | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40            | 9              | 2.40            |
| 7.                 | 2,000            | 2  | 100            | 1                | 100            | 1               | 100                                | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40            | 9              | 2.40            |
| 8.                 | 230,000          | 3  | 100            | 1                | 100            | 1               | 100                                | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40            | 9              | 2.40            |
| 9.                 | 3,000            | 1  | 57             | 1                | 100            | 1               | 100                                | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40            | 9              | 2.40            |
| 10.                | 6,000            | 1  | 60             | 1                | 100            | 1               | 100                                | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40                            | 9                             | 2.40                           | 9                               | 2.40                          | 9                              | 2.40            | 9              | 2.40            |
| 11.                | 20,000           | 2  | 160            | 1                | 50             | 1               | 50                                 | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50            | 10             | 2.50            |
| 12.                | 30,000           | 2  | 100            | 1                | 100            | 1               | 100                                | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50            | 10             | 2.50            |
| 13.                | 8,600            | 3  | 100            | 1                | 100            | 1               | 100                                | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50            | 10             | 2.50            |
| 14.                | 27,000           | 4  | 44             | 1                | 100            | 1               | 100                                | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50            | 10             | 2.50            |
| 15.                | 3,800            | 5  | 15             | 1                | 100            | 1               | 100                                | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50            | 10             | 2.50            |
| 16.                | 2,000            | 1  | 15             | 1                | 100            | 1               | 100                                | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50                            | 10                            | 2.50                           | 10                              | 2.50                          | 10                             | 2.50            | 10             | 2.50            |
| Totals             | \$464,800        | 19   | \$920          | 4                | \$380          | 1               | \$90                               | 88                            | \$10.56                        | 49                              | \$13.80                       | 60                             | \$24.25                         | 153                           | 8                              | \$5.90                          | 80                            | \$10.42                        | 78                              | \$7.40                        | 70                             | \$7.40                          | 78                            | \$7.40                         | 78              | \$7.40         |                 |





VIEW IN FACTORY OF DESNOYERS SHOE CO., ST. LOUIS, MO.





## WOODENWARE WORKS.

This classification includes the manufacturers of stairs, step-ladders, moldings, picture frames, woodenware and wood novelties, hubs, tool handles and gymnasium supplies, and is made up from the reports of 12 manufacturers, 3 corporations with 10 male members and 9 private firms having 15 male members.

Reference to Table No. 7 shows that the operations of these varied industries during the past year generally resulted satisfactorily.

The total number of days operated during 1896 exceeded 1895 by 624, and \$18,118 more wages were paid in 1896 than during the preceding year. The average number of persons employed during each month of 1895 was 409, and 424 during 1896.

There were employed as managers 11 males, their average monthly salary being \$120.70; salesmen, 17 males, \$57.25; bookkeepers, 5 males at \$75.40; clerks, 9 males at \$38.40; stenographers, 2 males at \$47.50.

The average daily wages paid engineers and firemen was \$2.08 for 10 hours; machine men, \$1.86 for 9 5-7 hours; mechanics, \$1.94 for 9 6-7 hours; laborers, \$1.42 for 10 hours; helpers, 92 cents for 10 hours.

## WOODWORK—MISCELLANEOUS.

Table No. 7.

| OFFICE NUMBER. |     | Corporation | Private Firms | Mem- bers |           | Total |       | Total value of all goods manufac- tured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896. | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |          |           |           | Total |    |    |
|----------------|-----|-------------|---------------|-----------|-----------|-------|-------|--|---|---|--|--|--|---|---|---|---|---|-------------------------------|----------|-----------|-----------|-------|----|----|
|                |     |             |               | Mem- bers | Mem- bers | Males | Total |  |   |   |  |  |  |   |   |   |   |   | Rent                          | Taxes    | Insurance |           |       |    |    |
| 1.             | 1.  | 1.          | 1.            | 1.        | 1.        | 1.    | 1.    | \$ 8,000   | \$ 250  | \$ 200  | \$ 2,550   | \$ 365   | \$ 850   | \$ 800  | 300   | 300   | \$ 4,000  | \$ 3,800  | \$ 180                        | \$ 155   | \$ 275    | \$ 590    |       |    |    |
| 2.             | 2.  | 2.          | 2.            | 2.        | 2.        | 2.    | 2.    | 1,210  | 200   | 200   | 2,800  | 2,000  | 200  | 400   | 60  | 60  | 600   | 500   | 150                           | 32       | 100       | 175       |       |    |    |
| 3.             | 3.  | 3.          | 3.            | 3.        | 3.        | 3.    | 3.    | 107,000  | 2,000   | 19,000  | 45,000   | 2,000  | 18,000   | 19,000  | 300   | 300   | 35,000  | 35,000  | 3,300                         | 825      | 1,100     | 5,225     |       |    |    |
| 4.             | 4.  | 4.          | 4.            | 4.        | 4.        | 4.    | 4.    | 69,000   | 7,500   | 7,000   | 37,101   | 750  | 5,500  | 6,000   | 310   | 310   | 18,222  | 20,314  | 3,300                         | 238      | 550       | 7,788     |       |    |    |
| 5.             | 5.  | 5.          | 5.            | 5.        | 5.        | 5.    | 5.    | 13,531   | 1,500   | 2,500   | 6,250  | 155  | 6,500  | 6,500   | 282   | 282   | 6,456   | 20,314  | 3,300                         | 184      | 60        | 238       |       |    |    |
| 6.             | 6.  | 6.          | 6.            | 6.        | 6.        | 6.    | 6.    | 5,889  | 17,500  | 2,500   | 92,500   | 497  | 47,960   | 65,024  | 305   | 305   | 65,518  | 2,404   | 348                           | 40       | 58        | 446       |       |    |    |
| 7.             | 7.  | 7.          | 7.            | 7.        | 7.        | 7.    | 7.    | 234,000  | 37,500  | 50,700  | 92,500   | 120  | 1,000  | 1,225   | 210   | 210   | 71,493  | 1,098   | 1,162                         | 984      | 300       | 40        | 30    | 30 |    |
| 8.             | 8.  | 8.          | 8.            | 8.        | 8.        | 8.    | 8.    | 8,000  | 50,700  | 50  | 3,000  | 137  | 200  | 1,225   | 210   | 210   | 1,567   | 1,098   | 1,162                         | 984      | 300       | 40        | 30    | 30 |    |
| 9.             | 9.  | 9.          | 9.            | 9.        | 9.        | 9.    | 9.    | 6,000  | 7,500   | 8,000   | 5,000  | 1,000  | 6,500  | 200   | 225   | 240   | 2,710   | 3,800   | 300                           | 40       | 30        | 30        | 30    | 30 |    |
| 10.            | 10. | 10.         | 10.           | 10.       | 10.       | 10.   | 10.   | 15,000   | 7,500   | 8,000   | 5,000  | 700  | 6,500  | 600   | 250   | 250   | 4,500   | 4,700   | 120                           | 38       | 38        | 40        | 40    | 40 | 40 |
| 11.            | 11. | 11.         | 11.           | 11.       | 11.       | 11.   | 11.   | 12,000   | 7,500   | 8,000   | 5,000  | 700  | 6,500  | 600   | 250   | 250   | 4,500   | 4,700   | 120                           | 38       | 38        | 40        | 40    | 40 | 40 |
| 12.            | 12. | 12.         | 12.           | 12.       | 12.       | 12.   | 12.   | 13,000   | 7,500   | 8,000   | 5,000  | 700  | 6,500  | 600   | 250   | 250   | 4,500   | 4,700   | 120                           | 38       | 38        | 40        | 40    | 40 | 40 |
| Totals, .....  | 10  | 10          | 15            | 15        | 15        | 15    | 15    | \$ 463,229   | \$ 54,950   | \$ 90,650   | \$ 196,261   | \$ 5,632   | \$ 79,210  | \$ 92,549   | 2,223   | 2,847   | \$ 136,863                                      | \$ 158,011                                      | \$ 36,076                     | \$ 2,749 | \$ 93,057 | \$ 11,563 |       |    |    |

Table No. 7.—Continued.

## WOODWORK—MISCELLANEOUS.

| OFFICE NUMBER | Capital invested | OFFICE HELP                                  |             |              |             |              |             |              |             |                |             | ENGINEERS                    |                           |                            | MACHINE MEN                  |                           |                            | MECHANICS                    |                           |                            | LABORERS                     |                           |                            | HELPERS                      |                           |                            |
|---------------|------------------|--|-------------|--------------|-------------|--------------|-------------|--------------|-------------|----------------|-------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|
|               |                  | Average amount paid each month to each class |             |              |             |              |             |              |             |                |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
|               |                  | Managers and Foremen                         |             | Salemens     |             | Book-keepers |             | Clerks       |             | Steno-graphers |             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
|               |                  | No. of Males                                 | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males   | Amount Paid | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |
| 1.            | \$12,000         | 1  | \$ 50       | 1            | \$ 88       | 1            | \$ 15       | 4            | \$ 50       | 1              | \$ 95       | 4                            | \$2.25                    | 10                         | 4                            | \$2.25                    | 10                         | 4                            | \$2.25                    | 10                         | 4                            | \$2.25                    | 10                         | 4                            | \$2.25                    | 10                         |
| 2.            | 4,000            | 1  | 100         | 4            | 88          | 1            | 87          | 4            | 50          | 1              | 95          | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         |
| 3.            | 46,000           | 1  | 100         | 4            | 88          | 1            | 87          | 4            | 50          | 1              | 95          | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         | 5                            | 2.00                      | 10                         |
| 4.            | 36,000           | 2  | 103         | 8            | 45          | 1            | 150         | 2            | 35          | 1              | 30          | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         |
| 5.            | 4,000            | 2  | 103         | 8            | 45          | 1            | 150         | 2            | 35          | 1              | 30          | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         |
| 6.            | 4,000            | 2  | 103         | 8            | 45          | 1            | 150         | 2            | 35          | 1              | 30          | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         |
| 7.            | 9,987            | 2  | 330         | 8            | 96          | 1            | 50          | 1            | 35          | 1              | 30          | 2                            | 2.70                      | 10                         | 2                            | 2.70                      | 10                         | 2                            | 2.70                      | 10                         | 2                            | 2.70                      | 10                         | 2                            | 2.70                      | 10                         |
| 8.            | 190,000          | 1  | 39          | 9            | 6,000       | 1            | 50          | 1            | 35          | 1              | 30          | 50                           | 2.10                      | 10                         | 50                           | 2.10                      | 10                         | 50                           | 2.10                      | 10                         | 50                           | 2.10                      | 10                         | 50                           | 2.10                      | 10                         |
| 9.            | 6,000            | 2  | 75          | 2            | 75          | 1            | 75          | 1            | 32          | 1              | 30          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          |
| 10.           | 9,000            | 2  | 75          | 2            | 75          | 1            | 75          | 1            | 32          | 1              | 30          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          |
| 11.           | 8,000            | 2  | 88          | 2            | 88          | 1            | 75          | 1            | 32          | 1              | 30          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          |
| 12.           | 13,500           | 2  | 88          | 2            | 88          | 1            | 75          | 1            | 32          | 1              | 30          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          | 11                           | 1.60                      | 8                          |
| Totals.       | \$332,457        | 11   | \$ 845      | 17           | \$ 229      | 5            | \$ 377      | 9            | \$ 192      | 2              | \$ 95       | 82                           | \$13.05                   | 68                         | 82                           | \$13.05                   | 68                         | 103                          | \$13.60                   | 66                         | 122                          | \$7.10                    | 50                         | 111                          | \$4.90                    | 50                         |



## FURNITURE MANUFACTURES.

Reports from 53 establishments were received, of which 46 were tabulated. Of the latter 27 are incorporated and have 418 male and 23 female members. The 19 private firms have 30 male and 2 female members.

Their total capital is \$2,004,801 and their manufactured goods were valued at \$2,246,635. In addition, the 7 establishments whose reports were not tabulated have a capital of \$270,500, and their output amounted to \$228,562, making an aggregate capital for the 53 concerns of \$2,275,301, with manufactures valued at \$2,475,197.

In the aggregate the net results of operations in this industry seem to have been fairly satisfactory to the manufacturers, although labor suffered some through reduction of wages. While the total of days operated in 1896 exceeded 1895 by 441, and the average number of persons employed during each month of 1896 exceeded the preceding year by 44, the amount of wages paid decreased \$21,955.

In answer to Question No. 14, a few complaints are made of the demoralizing competition of Northern manufacturers, who, being favored by special interstate freight rates, cut prices below a profitable basis. Chair manufacturers allege that Eastern prison-made goods injure the local operators, and mattressmakers urge such legislation as will drive out of the markets of the State the junkshop shoddy goods of Eastern manufacture, which, they allege, are made from foul, filthy rags laden with disease germs.

The clerical force employed by the furniture manufacturers were paid average monthly salaries as follows:

Managers, males, \$116.26, females, \$40; salesmen, \$123.55; book-keepers, males, \$77.17, females, \$43; clerks, males, \$46.40, females, \$37.50; stenographers, males, \$29, females, \$38.

The average daily wages paid engineers and firemen was \$2.29 for 10 hours; machine operators, males \$1.64 for 9½ hours, females, 75 cents for 9 hours; cabinetmakers, \$1.87 for 9 5-12 hours; finishers, males, \$1.69 for 9½ hours, females, \$1.08 for 9½ hours; upholsterers, males, \$1.92 for 9 4-5 hours, females, \$1.18 for 10½ hours; fitters, \$1.77 for 9½ hours; laborers, males, \$1.28 for 9 2-3 hours, females, 83 cents for 9½ hours.

The reports of the furniture industry are tabulated in Table No. 8.

Table No. 8.

## FURNITURE.

| OFFICE<br>NUMBER | CORPORATION |         | PRIVATE<br>FIRMS |         | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | On hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT PAID<br>IN 1896 FOR |       |           |        |
|------------------|-------------|---------|------------------|---------|---|--|--|---|--|--|-------------------------|--|--|--|--|----------------------------------|-------|-----------|--------|
|                  | Members     |         | Members          |         |   |  |  |   |  |  |                         |  |  |  |  | Rent                             | Taxes | Insurance | Total  |
|                  | Males       | Females | Males            | Females |   |  |  |   |  |  |                         |  |  |  |  |                                  |       |           |        |
| 1                | 1           | 1       | 1                | 1       | \$ 15,000   | \$ 5,000   | \$ 5,000   | \$ 7,000  | \$ 6,000   | \$ 13,100  | \$ 7,500                | 270  | 275  | \$ 4,700   | \$ 4,600   | 720                              | 100   | 200       | 300    |
| 2                | 2           | 1       | 6                | 1       | 11,700  | 7,100  | 7,900  | 8,500   | 8,200  | 10,100   | 10,100                  | 198  | 198  | 6,219  | 6,933  | 720                              | 451   | 588       | 1,319  |
| 3                | 3           | 1       | 1                | 1       | 55,333  | 4,488  | 8,132  | 80,571  | 1,000  | 2,000  | 2,000                   | 805  | 805  | 13,401   | 16,030   | 65                               | 65    | 500       | 565    |
| 4                | 4           | 2       | 2                | 2       | 45,000  | 8,000  | 8,000  | 8,000   | 275  | 1,000  | 900                     | 230  | 230  | 2,924  | 2,728  | 65                               | 65    | 400       | 490    |
| 5                | 5           | 5       | 3                | 3       | 8,000   | 3,000  | 5,000  | 8,000   | 1,000  | 2,000  | 2,000                   | 225  | 225  | 890  | 890  | 47                               | 47    | 500       | 565    |
| 6                | 6           | 3       | 5                | 3       | 8,800   | 1,385  | 1,225  | 23,645  | 1,000  | 15,985   | 2,879                   | 230  | 235  | 14,047   | 16,940   | 115                              | 115   | 900       | 1,024  |
| 7                | 7           | 24      | 2                | 2       | 50,000  | 10,798   | 13,244   | 23,645  | 1,000  | 15,985   | 11,273                  | 230  | 235  | 14,047   | 16,940   | 115                              | 115   | 900       | 1,024  |
| 8                | 8           | 4       | 4                | 4       | 176,472   | 86,657   | 88,987   | 74,840  | 4,015  | 88,100   | 86,500                  | 235  | 235  | 56,450   | 62,131   | 4,000                            | 60    | 45        | 5,933  |
| 9                | 9           | 1       | 1                | 1       | 67,000  | 4,000  | 1,200  | 25,716  | 25   | 4,500  | 4,500                   | 230  | 230  | 6,270  | 6,670  | 150                              | 150   | 400       | 450    |
| 10               | 10          | 7       | 7                | 7       | 88,979  | 6,507  | 8,272  | 24,320  | 4,500  | 21,800   | 21,800                  | 230  | 230  | 23,200   | 23,400   | 1,297                            | 134   | 899       | 1,402  |
| 11               | 11          | 4       | 4                | 4       | 218,000   | 80,600   | 85,000   | 115,000   | 510  | 13,000   | 13,500                  | 313  | 313  | 17,305   | 16,000   | 1,500                            | 48    | 418       | 1,721  |
| 12               | 12          | 8       | 8                | 8       | 33,000  | 2,278  | 1,923  | 1,482   | 233  | 3,278  | 55,000                  | 183  | 183  | 82,800   | 111,200  | 800                              | 8,200 | 6,100     | 9,300  |
| 13               | 13          | 8       | 8                | 8       | 20,000  | 2,000  | 1,923  | 1,482   | 75   | 23,232   | 24,975                  | 300  | 300  | 5,000  | 5,000  | 1,500                            | 119   | 1,168     | 1,725  |
| 14               | 14          | 1       | 1                | 1       | 40,000  | 12,000   | 14,085   | 14,140  | 760  | 26,232   | 24,975                  | 275  | 275  | 17,458   | 18,338   | 880                              | 23    | 742       | 1,072  |
| 15               | 15          | 4       | 4                | 4       | 40,000  | 6,000  | 6,000  | 20,000  | 1,000  | 94,684   | 91,898                  | 300  | 300  | 8,000  | 8,000  | 1,800                            | 1,415 | 2,500     | 3,914  |
| 16               | 16          | 4       | 4                | 4       | 100,000   | 66,605   | 67,042   | 8,878   | 1,873  | 15,200   | 15,000                  | 235  | 235  | 57,278   | 63,886   | 1,175                            | 1,175 | 539       | 704    |
| 17               | 17          | 5       | 5                | 5       | 19,898  | 8,778  | 8,533  | 14,000  | 9,000  | 15,200   | 15,000                  | 235  | 235  | 17,194   | 18,285   | 1,400                            | 450   | 800       | 2,650  |
| 18               | 18          | 3       | 3                | 3       | 49,000  | 8,700  | 8,700  | 14,000  | 8,000  | 38,700   | 38,700                  | 235  | 235  | 86,000   | 92,000   | 500                              | 500   | 1,437     | 2,650  |
| 19               | 19          | 3       | 3                | 3       | 86,500  | 27,250   | 23,000   | 47,800  | 2,000  | 14,096   | 9,557                   | 231  | 231  | 18,944   | 20,345   | 2,280                            | 56    | 1,000     | 3,386  |
| 20               | 20          | 4       | 4                | 4       | 42,000  | 11,000   | 11,000   | 20,800  | 1,000  | 8,000  | 8,000                   | 230  | 230  | 20,000   | 20,000   | 8,000                            | 883   | 2,450     | 2,250  |
| 21               | 21          | 6       | 6                | 6       | 50,000  | 15,000   | 15,000   | 25,000  | 8,000  | 25,000   | 27,500                  | 300  | 300  | 10,000   | 10,000   | 1,800                            | 883   | 2,450     | 10,963 |
| 22               | 22          | 7       | 7                | 7       | 20,000  | 2,000  | 2,000  | 12,500  | 8,000  | 8,500  | 8,000                   | 333  | 333  | 23,000   | 23,000   | 1,300                            | 450   | 650       | 1,100  |
| 23               | 23          | 8       | 8                | 8       | 90,000  | 4,500  | 4,650  | 40,000  | 8,000  | 8,500  | 8,500                   | 333  | 333  | 23,000   | 23,000   | 1,300                            | 35    | 150       | 1,185  |
| 24               | 24          | 8       | 8                | 8       | 12,000  | 1,500  | 1,500  | 4,000   | 8,000  | 8,500  | 8,500                   | 333  | 333  | 23,000   | 23,000   | 1,300                            | 35    | 150       | 1,185  |
| 25               | 25          | 8       | 8                | 8       | 12,000  | 1,500  | 1,500  | 4,000   | 8,000  | 8,500  | 8,500                   | 333  | 333  | 23,000   | 23,000   | 1,300                            | 35    | 150       | 1,185  |





Table No. 8.—Continued.

## FURNITURE.

| OFFICE NUMBER | Capital invested | OFFICE HELP<br>Amount paid in salaries each month to each class |             |                |              |             |                |              |             |                |              |             |                | ENGINEERS     |              |             | MACHINE OPERATORS            |                           |                            |                |
|---------------|------------------|---|-------------|----------------|--------------|-------------|----------------|--------------|-------------|----------------|--------------|-------------|----------------|---------------|--------------|-------------|------------------------------|---------------------------|----------------------------|----------------|
|               |                  | Managers and Foremen  |             |                | Salesmen     |             |                | Book-keepers |             |                | Clerks       |             |                | Stenographers |              |             | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |                |
|               |                  | No. of Males  | Amount Paid | No. of Females | No. of Males | Amount Paid | No. of Females | No. of Males | Amount Paid | No. of Females | No. of Males | Amount Paid | No. of Females | Amount Paid   | No. of Males | Amount Paid |                              |                           |                            | No. of Females |
| 1             | 45,000           | 1   | 88          | 1              | 1            | 1           | 66             | 1            | 48          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 8                         | \$1.40                     | 10             |
| 2             | 32,000           | 1   | 87          | 1              | 1            | 1           | 100            | 1            | 50          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 8                         | 2.00                       | 8              |
| 3             | 26,000           | 1   | 100         | 1              | 1            | 1           | 100            | 1            | 50          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 6                         | 1.50                       | 10             |
| 4             | 6,000            | 1   | 111         | 1              | 1            | 1           | 100            | 1            | 50          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 6                         | 1.50                       | 10             |
| 5             | 8,000            | 1   | 40          | 1              | 1            | 1           | 150            | 1            | 125         | 1              | 80           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 1.25                       | 10             |
| 6             | 48,000           | 1   | 125         | 1              | 1            | 1           | 68             | 1            | 115         | 1              | 80           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 1.10                       | 8              |
| 7             | 48,000           | 1   | 125         | 1              | 1            | 1           | 68             | 1            | 115         | 1              | 80           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 1.10                       | 8              |
| 8             | 9,000            | 1   | 88          | 1              | 1            | 1           | 100            | 1            | 50          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 28                        | 1.86                       | 10             |
| 9             | 1,000            | 1   | 88          | 1              | 1            | 1           | 68             | 1            | 115         | 1              | 80           | 1           | 15             | 1             | 15           | 1           | 10                           | 8                         | 1.86                       | 10             |
| 10            | 1,000            | 1   | 88          | 1              | 1            | 1           | 68             | 1            | 115         | 1              | 80           | 1           | 15             | 1             | 15           | 1           | 10                           | 8                         | 1.08                       | 10             |
| 11            | 11,000           | 1   | 60          | 1              | 1            | 1           | 60             | 1            | 88          | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 4                         | 1.20                       | 10             |
| 12            | 12,000           | 1   | 125         | 1              | 1            | 1           | 190            | 1            | 75          | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 14                        | 2.00                       | 10             |
| 13            | 13,000           | 1   | 148         | 1              | 1            | 1           | 125            | 1            | 100         | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 138                       | 1.45                       | 10             |
| 14            | 14,000           | 1   | 75          | 1              | 1            | 1           | 100            | 1            | 60          | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 8                         | 1.50                       | 10             |
| 15            | 15,000           | 1   | 44          | 1              | 1            | 1           | 100            | 1            | 40          | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 8                         | 2.00                       | 8              |
| 16            | 16,000           | 1   | 48          | 1              | 1            | 1           | 100            | 1            | 40          | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 7                         | 1.25                       | 8              |
| 17            | 17,000           | 1   | 100         | 1              | 1            | 1           | 100            | 1            | 100         | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 1                         | 1.50                       | 8              |
| 18            | 60,000           | 1   | 188         | 1              | 1            | 1           | 100            | 1            | 100         | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 1                         | 1.50                       | 8              |
| 19            | 15,000           | 1   | 88          | 1              | 1            | 1           | 58             | 1            | 88          | 1              | 68           | 1           | 15             | 1             | 15           | 1           | 10                           | 90                        | 1.50                       | 8              |
| 20            | 20,000           | 1   | 108         | 1              | 1            | 1           | 64             | 1            | 100         | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 1.50                       | 8              |
| 21            | 15,000           | 1   | 147         | 1              | 1            | 1           | 110            | 1            | 100         | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 1.50                       | 8              |
| 22            | 75,000           | 1   | 88          | 1              | 1            | 1           | 100            | 1            | 100         | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 2.12                       | 9              |
| 23            | 42,488           | 1   | 88          | 1              | 1            | 1           | 100            | 1            | 100         | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 2.00                       | 9              |
| 24            | 86,000           | 1   | 90          | 1              | 1            | 1           | 100            | 1            | 40          | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 8                         | 1.56                       | 9              |
| 25            | 100,000          | 1   | 100         | 1              | 1            | 1           | 75             | 1            | 60          | 1              | 60           | 1           | 15             | 1             | 15           | 1           | 10                           | 2                         | 2.10                       | 10             |
| 26            | 50,000           | 1   | 68          | 1              | 1            | 1           | 90             | 1            | 75          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 17                        | 1.28                       | 10             |
| 27            | 100,000          | 1   | 100         | 1              | 1            | 1           | 90             | 1            | 75          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 40                        | 1.50                       | 10             |
| 28            | 100,000          | 1   | 100         | 1              | 1            | 1           | 90             | 1            | 75          | 1              | 66           | 1           | 15             | 1             | 15           | 1           | 10                           | 17                        | 1.28                       | 10             |

|        |             |    |       |     |     |    |        |    |        |    |        |    |       |    |       |   |     |   |     |    |         |     |         |     |         |     |         |     |
|--------|-------------|----|-------|-----|-----|----|--------|----|--------|----|--------|----|-------|----|-------|---|-----|---|-----|----|---------|-----|---------|-----|---------|-----|---------|-----|
| 28     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 29     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 30     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 31     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 32     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 33     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 34     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 35     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 36     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 37     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 38     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 39     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 40     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 41     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 42     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 43     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 44     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 45     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 46     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 47     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| 48     | 40,000      | 2  | 4     | 100 | 100 | 1  | 40     | 89 | 83,583 | 40 | 32,701 | 1  | 43    | 23 | \$738 | 2 | .75 | 2 | 58  | 5  | 152     | 21  | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |
| Totals | \$2,004,801 | 91 | 4,767 | 1   | 40  | 89 | 83,583 | 40 | 32,701 | 1  | 43     | 23 | \$738 | 2  | .75   | 2 | 58  | 5 | 152 | 21 | \$38.62 | 157 | 26      | 662 | \$54.00 | 310 |         |     |



|        |      |     |        |     |      |     |    |        |        |      |     |     |     |         |         |     |     |    |         |     |         |        |     |    |         |        |     |    |
|--------|------|-----|--------|-----|------|-----|----|--------|--------|------|-----|-----|-----|---------|---------|-----|-----|----|---------|-----|---------|--------|-----|----|---------|--------|-----|----|
| 28     | 2.50 | 10  | 12     | 18  | 8.00 | 10  | 28 | 5      | 1.90   | 1.00 | 8   | 8   | 4   | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 29     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 30     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 31     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 32     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 33     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 34     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 35     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 36     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 37     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 38     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 39     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 40     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 41     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 42     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 43     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 44     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 45     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| 46     | 2.00 | 8   | 6      | 6   | 2.00 | 8   | 15 | 19     | 1.40   | 1.40 | 10  | 10  | 10  | 1.75    | 8       | 113 | 64  | 16 | 224     | 20  | \$43.41 | \$4.96 | 227 | 57 |         |        |     |    |
| Totals | 16   | 400 | 387.41 | 339 | 57   | 394 | 34 | 884.10 | \$3.24 | 381  | 194 | 181 | 104 | \$42.31 | \$11.81 | 215 | 105 | 64 | \$21.28 | 113 | 64      | 16     | 224 | 20 | \$43.41 | \$4.96 | 227 | 57 |



## WOOD AND PAPER BOX MANUFACTURES.

In the industry of box making the reports of 15 plants are tabulated in Table No. 9. Of these 10 are corporations having 47 male and 3 female members, and the 5 private firms have 7 male and 1 female members.

The net results of the operations of this industry are similar in some particulars to that of furniture: While the manufacturers in the aggregate realize handsome returns on their operations, their labor suffered a material reduction in 1896 as compared with the previous year. The total number of days operated last year exceeded 1895 by 424, and the excess in the average number of persons employed during each month was 15, yet there was a decrease of \$23,514 in the amount of wages paid.

The wooden box makers have the same alleged grievance as the cooperage operators—that the railroads make the same rates on finished boxes and undressed lumber from the North, which gives the Northern manufacturer an advantage of 20 per cent.

The clerical force employed were paid the following average monthly salaries:

Managers, males \$73.18, females \$36.75; salesmen, \$71; book-keepers, male \$79.29, females \$50; clerks, males \$46.67, females \$28; stenographers, males \$43, females \$35.

The average daily wages paid engineers and firemen was \$2.17 for 9 4-5 hours; sawyers, \$1.88 for 9½ hours; nailers, \$1.79 for 9 3-5 hours; paper box makers, males \$1.67 for 9 hours, females 75 cents for 8 hours; laborers, \$1.58 for 9 2-3 hours; general help, males \$1.10 for 11 hours, females \$1.05 for 9 2-5 hours.

Table No. 9.

## BOXES—WOOD AND PAPER.

| Office Number | Corporation |         |       | Private Firms |       | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of all stock or material used during the year 1886 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1886 |
|---------------|-------------|---------|-------|---------------|-------|--|---|---|--|--|---|---|---|
|               | Members     |         |       | Mem- bers     |       |  |   |   |  |  |   |   |   |
|               | Males       | Females | Total | Males         | Total |  |   |   |  |  |   |   |   |
| 1.            | 2           | 1       | 3     |               |       | \$55,000   | \$ 500  | \$ 600  | \$20,000   | \$ 3,000   | \$ 2,000  | \$ 2,530  | 286   |
| 2.            | 2           |         | 2     |               |       | 40,000   | 8,000   | 12,000  | 20,000   | 1,800  | 2,000   | 12,000  | 300   |
| 3.            | 2           | 1       | 3     |               |       | 29,271   | 156   | 131   | 15,300   | 1,068  | 850   | 1,225   | 300   |
| 4.            | 2           |         | 2     |               |       | 16,500   |   |   | 6,000  |  | 800   |   | 300   |
| 5.            | 4           |         | 4     |               |       | 92,000   | 1,400   | 500   | 22,000   | 1,600  | 12,000  | 8,000   | 300   |
| 6.            |             |         |       | 1             | 1     | 60,000   | 1,200   | 1,000   | 43,000   | 1,000  | 10,000  | 9,000   | 237   |
| 7.            |             |         |       | 1             | 1     | 2,000  |   |   | 7,750  | 100  | 200   | 250   |   |
| 8.            | 6           |         | 6     |               |       | 168,307  | 3,900   | 6,081   | 77,962   | 9,965  | 41,444  | 58,263  | 275   |
| 9.            |             |         |       | 2             | 2     | 60,000   |   |   | 35,000   | 150  | 3,600   | 5,500   | 300   |
| 10.           | 2           | 1       | 3     |               |       | 157,422  | 70,126  | 67,026  | 48,733   | 10,248   | 70,126  | 67,006  | 250   |
| 11.           | 20          |         | 20    |               |       | 32,400   | 2,825   | 2,875   | 21,900   | 1,000  | 6,300   | 4,171   | 250   |
| 12.           | 3           |         | 3     |               |       | 51,788   | 2,450   | 2,225   | 45,650   | 1,960  | 17,380  | 15,348  | 232   |
| 13.           |             |         |       | 2             | 2     | 30,000   | 4,000   | 4,000   | 30,000   | 400  | 6,000   | 6,000   | 231   |
| 14.           |             |         |       | 4             | 4     | 13,174   | 6,853   |   |  | 1,250  |   | 700   |   |
| 15.           |             |         |       | 1             | 1     | 15,000   | 500   | 500   | 14,500   |  | 1,000   | 1,000   | 313   |
| Totals,       | 47          | 3       | 50    | 9             | 9     | \$847,810  | \$99,410  | \$94,438  | \$410,195  | \$33,556   | \$139,640   | \$191,083   | 2,648   |

Table No. 9—Con.

## BOXES—WOOD AND PAPER.

| Office Number  | OFFICE HELP                              |                              | ENGINEERS                 | SAWYERS                    | NAILERS                      | MACHINE OPERATORS         |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
|----------------|--|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------|----|-----|--------|--------|----|----|
|                | Av. amount paid each month to each class |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
|                | Stenographers                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
|                | No. of Males                             | Amount Paid                  |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| No. of Females | Amount Paid                              | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Females employed over 16 years | Average daily wages—females | Hours of daily labor—females |    |     |        |        |    |    |
| 1              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 2              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 3              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 4              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 5              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 6              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 7              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 8              | 1  | \$43                         |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 9              |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 10             |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 11             |  |                              | 1                         | \$35                       |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 12             |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 13             |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 14             |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| 15             |  |                              |                           |                            |                              |                           |                            |                              |                           |                            |                                |                             |                              |    |     |        |        |    |    |
| Totals,        | 1  | \$43                         | 1                         | \$35                       | 5                            | \$10.85                   | 49                         | 26                           | \$11.30                   | 57                         | 36                             | \$8.95                      | 48                           | 20 | 171 | \$1.00 | \$3.65 | 10 | 23 |

Table No. 9—Con.

## BOXES—WOOD AND PAPER.

| Total number of days in operation during 1906 | Total amount paid in wages during the year 1906 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT<br>PAID IN 1896<br>FOR |         |           |          | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |             |              |             |              |             |              |             |
|---|---|---|-------------------------------------|---------|-----------|----------|------------------|---|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
|   |   |   | Rent                                | Taxes   | Insurance | Total    |                  | Managers and Foremen  |             | Salesmen     | Bookkeepers | Clerks       |             |              |             |
|   |   |   |                                     |         |           |          |                  | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid |
|   |   |   |                                     |         |           |          |                  |   |             |              |             |              |             |              |             |
| 292   | \$15,000  | \$14,000  | \$ 4,200                            | \$ 85   | \$900     | \$ 4,885 | \$50,000         | 2   | \$ 70       | 1            | \$ 75       | 1            | \$ 40       | 1            | \$ 40       |
| 300   | 13,582  | 15,780  | 1,500                               | 50      | 500       | 2,050    | 20,000           | 1   | 75          | 1            | 50          | 1            | 40          | 1            | 40          |
| 293   | 6,567   | 6,880   | 440                                 | 156     | 385       | 981      | 5,000            | 1   | 100         | 1            | 80          | 1            | 150         | 1            | 150         |
| 306   | 5,000   | 5,000   | 2,400                               | 150     | 380       | 2,930    | 20,000           | 3   | 100         | 2            | 80          | 1            | 100         | 1            | 50          |
| 280   | 16,500  | 14,500  | 289                                 | 350     | 639       | 40,000   | 5,000            | 1   | 50          | 1            | 75          | 1            | 50          | 1            | 50          |
| 275   | 250   | 250   | 50                                  | 30      | 42        | 122      | 5,000            | 1   | 50          | 1            | 75          | 1            | 50          | 1            | 50          |
| 203   | 48,414  | 27,545  | 1,983                               | 1,706   | 2,071     | 5,760    | 210,000          | 3   | 88          | 1            | 75          | 1            | 75          | 1            | 40          |
| 250   | 23,500  | 17,500  | 300                                 | 1,100   | 1,100     | 1,400    | 35,000           | 1   | 75          | 1            | 75          | 1            | 75          | 1            | 40          |
| 298   | 49,297  | 51,907  | 2,568                               | 88      | 631       | 3,287    | 12,000           | 3   | 50          | 2            | 75          | 1            | 50          | 1            | 50          |
| 201   | 12,235  | 11,196  | 900                                 | 100     | 700       | 1,700    | 15,000           | 2   | 104         | 1            | 75          | 1            | 50          | 1            | 50          |
| 288   | 16,117  | 16,124  | 780                                 | 20      | 278       | 1,078    | 17,000           | 1   | 55          | 1            | 75          | 1            | 80          | 1            | 50          |
| 235   | 9,250   | 10,800  | 530                                 | 160     | 280       | 780      | 25,000           | 1   | 63          | 1            | 75          | 1            | 80          | 1            | 50          |
| 249   | 3,100   | 3,100   | 183                                 | 121     | 67        | 371      | 1,400            | 1   | 75          | 1            | 75          | 1            | 80          | 1            | 50          |
| 313   | 4,260   | 4,786   | 600                                 | .....   | 450       | 1,050    | 4,500            | 1   | 75          | 1            | 75          | 1            | 80          | 1            | 50          |
| 4,067   | \$253,622                                       | \$230,106                                       | \$16,164                            | \$3,606 | \$8,199   | \$27,968 | \$479,900        | 19  | \$905       | 7            | \$355       | 7            | \$555       | 3            | \$140       |

Table No. 9—Con.

## BOXES—WOOD AND PAPER.

| PAPER BOX MAKERS             |                                |                           |                             |                            |                              | LABORERS                      |                              |                           |                            | GENERAL HELP                  |                                 |                              |                                |                           |                             |                            |                              |
|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|-------------------------------|------------------------------|---------------------------|----------------------------|-------------------------------|---------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|
| Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed under 16 years | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed under 16 years | Females employed under 16 years | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Daily hours of labor—males | Daily hours of labor—females |
| 10                           |                                | \$1.00                    |                             | 10                         |                              | 3                             | \$1.20                       | 10                        | 7                          |                               |                                 | 64                           | \$0.70                         | \$0.65                    | 10                          | 10                         |                              |
|                              |                                |                           |                             |                            |                              | 6                             | 1.50                         | 10                        | 15                         |                               |                                 | 40                           | 1.25                           | .75                       | 10                          | 8                          |                              |
|                              |                                |                           |                             |                            |                              | 6                             | 1.75                         | 10                        | 6                          |                               |                                 | 5                            | 1.25                           |                           | 10                          |                            |                              |
|                              |                                |                           |                             |                            |                              | 7                             | 1.40                         | 84                        | 3                          | 35                            |                                 | 1                            | 1.00                           | 1.25                      | 10                          |                            |                              |
|                              |                                |                           |                             |                            |                              | 65                            | 1.75                         | 10                        | 18                         | 3                             |                                 | 30                           | 1.00                           |                           | 10                          | 10                         |                              |
|                              |                                |                           |                             |                            |                              | 15                            | 25                           | 1.35                      | 10                         | 20                            |                                 | 40                           | 1.00                           |                           | 10                          |                            |                              |
|                              |                                |                           |                             |                            |                              | 5                             | 1.95                         | 9                         | 3                          | 20                            |                                 | 19                           | 1.75                           | .75                       | 10                          | 10                         |                              |
|                              |                                |                           |                             |                            |                              | 7                             | 1.65                         | 10                        | 2                          | 4                             |                                 | 1                            | .65                            | .82                       | 10                          | 9                          |                              |
| 6                            | 11                             | 1.75                      | \$0.75                      | 8                          | 8                            | 1                             | 1.65                         | 10                        |                            |                               |                                 |                              |                                |                           |                             |                            |                              |
| 16                           | 11                             | \$3.35                    | \$0.75                      | 18                         | 8                            | 15                            | 125                          | \$14.20                   | 87                         | 62                            | 59                              | 105                          | 153                            | \$11.05                   | \$4.32                      | 110                        | 47                           |





## STONE AND GRANITE WORKERS.

Most of the stone quarry operators report business good and prospects satisfactory. The tendency to substitute brick, terra-cotta and galvanized iron for stone in the trimming and veneering of high buildings is noted as having diminished the demand for stone. The granite quarry operators, almost without exception, report unsatisfactory business due to discrimination in freight rates in favor of Eastern and Southern quarries, and the further fact that lower wage rates prevail among the granite cutters of those localities than in this State.

Of the 21 reports tabulated in Table No. 10, the incorporated companies number 15, with 55 male and 7 female members, and the 6 private firms have 7 male members.

The total number of days operated during 1896 exceeded the preceding year by 112; the average number of persons employed during each month of 1895 was 754 and in 1896 the average was 793, an excess of 39, while the increase in amount of wages paid was \$75,368.

The average salary paid per month to managers was \$104.13; salesmen, \$93.50; bookkeepers, males \$83.45, females \$42; clerks, \$46; stenographers, males \$75, females \$46.

The average daily wages paid engineers and firemen was \$2.65 for 9 4-5 hours; blacksmiths, \$2.42 for 9½ hours; stone cutters, \$2.60 for 9 hours; quarrymen, \$1.83 for 9 hours; laborers, \$1.59 for 9 2-5 hours; helpers, \$1.09 for 9½ hours.

Table No. 10.

## STONE AND GRANITE.

| OFFICE<br>NUMBER | Corporation | Private firms—male members |  |         |  |       |  |       |           |       |      |       |       |           | Total value of all goods manufac-<br>tured during the year 1896 |      | Value of manufactured goods on<br>hand January 1, 1896 |       | Value of manufactured goods on<br>hand January 1, 1897 |       | Total value of all stock or material<br>used during the year 1896 |       | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 |           | Total value of stock or materials<br>on hand January 1, 1896 |      | Total value of stock or materials<br>on hand January 1, 1897 |       | Total number of days in operation<br>during 1896 |       | Total number of days in operation<br>during 1896 |       | Total amount paid in wages during<br>the year 1896 |  | Total amount paid in wages during<br>the year 1896 |  | TOTAL AMOUNT PAID<br>IN 1896 FOR |  |  |  | Capital invested |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                  |             | Males                      |  | Females |  | Total |  | Total | Insurance | Taxes | Rent | Total | Total | Insurance | Taxes   | Rent | Total  | Total | Insurance  | Taxes | Rent  | Total | Total  | Insurance | Taxes  | Rent | Total  | Total | Insurance  | Taxes | Rent   | Total |  |  |  |  |                                  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                  |             |                            |  |         |  |       |  |       |           |       |      |       |       |           |   |      |  |       |  |       |   |       |  |           |  |      |  |       |  |       |  |       |  |  |  |  |                                  |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

STONE AND GRANITE.

Table No. 10.—Continued.

| OFFICE NUMBER | OFFICE HELP<br>Average amount paid each month to each class |             |              |             |              |             |              |             |               |             | ENGINEERS                    |                           |                            | BLACK-SMITHS                 |                           |                            | STONE CUTTERS                |                           |                            | QUARRY MEN                   |                           |                            | LABORERS                     |                           |                            | HELPERS |  |  |
|---------------|---|-------------|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|---------|--|--|
|               | Managers and Foremen  |             | Salesmen     |             | Book-keepers |             | Clerks       |             | Stenographers |             | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |         |  |  |
|               | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 1             | 2   | 120         |              |             |              |             | 1            | 60          |               |             | 2                            | \$2.40                    | 10                         | 5                            | \$2.00                    | 10                         | 35                           | \$2.00                    | 10                         | 4                            | \$1.75                    | 10                         | 1                            | \$1.50                    | 10                         |         |  |  |
| 2             | 2   | 80          |              |             |              |             | 3            | 25          |               |             | 4                            | 2.00                      | 10                         | 20                           | 3.00                      | 8                          | 8                            | 2.10                      | 9                          | 33                           | 1.50                      | 10                         | 4                            | 1.50                      | 10                         |         |  |  |
| 3             | 4   | 100         |              |             |              |             | 8            | 37          |               |             | 10                           | 4.00                      | 10                         | 12                           | 2.25                      | 9                          | 9                            | 2.25                      | 10                         | 21                           | 1.25                      | 10                         | 5                            | 1.25                      | 10                         |         |  |  |
| 4             | 4   | 148         |              |             |              |             | 4            | 54          | 1             | 42          | 3                            | 2.75                      | 9                          | 18                           | 3.25                      | 8                          | 8                            | 2.50                      | 8                          | 18                           | 1.85                      | 9                          | 6                            | 1.85                      | 9                          |         |  |  |
| 5             | 3   | 114         |              |             |              |             |              |             |               |             | 2                            | 2.15                      | 10                         | 22                           | 2.87                      | 9                          | 16                           | 2.00                      | 10                         | 28                           | 1.55                      | 10                         | 8                            | 1.55                      | 10                         |         |  |  |
| 6             | 3   | 87          |              |             |              |             | 2            | 38          |               |             | 1                            | 2.27                      | 10                         | 22                           | 2.87                      | 9                          | 16                           | 2.00                      | 10                         | 28                           | 1.55                      | 10                         | 8                            | 1.55                      | 10                         |         |  |  |
| 7             | 1   | 75          |              |             |              |             | 3            | 38          |               |             | 1                            | 3.50                      | 10                         | 1                            | 2.00                      | 10                         |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| 8             | 4   | 100         |              |             |              |             | 1            | 75          |               |             | 8                            | 2.25                      | 9                          | 86                           | 3.25                      | 8                          | 10                           | 1.75                      | 10                         | 10                           | 1.50                      | 8                          | 4                            | 1.50                      | 8                          |         |  |  |
| 9             | 1   | 88          |              |             |              |             | 2            | 75          |               |             |                              |                           |                            |                              |                           |                            | 6                            | 1.75                      | 10                         | 6                            | 1.50                      | 9                          |                              |                           |                            |         |  |  |
| 10            | 2   | 210         |              |             |              |             | 1            | 65          |               |             | 2                            | 2.00                      | 10                         | 21                           | 1.80                      | 10                         | 21                           | 1.80                      | 10                         | 4                            | 1.75                      | 10                         |                              |                           |                            |         |  |  |
| 11            | 4   | 100         |              |             |              |             | 2            | 4           |               |             | 12                           | 2.40                      | 10                         | 9                            | 2.50                      | 9                          | 9                            | 2.50                      | 9                          | 20                           | 2.00                      | 10                         |                              |                           |                            |         |  |  |
| 12            | 5   | 125         |              |             |              |             | 2            | 50          | 1             | 50          | 8                            | 2.18                      | 10                         | 80                           | 1.75                      | 10                         | 8                            | 1.50                      | 10                         | 8                            | 1.50                      | 10                         |                              |                           |                            |         |  |  |
| 13            | 1   | 80          |              |             |              |             | 1            | 125         |               |             | 2                            | 2.50                      | 10                         | 4                            | 2.90                      | 9                          | 4                            | 2.90                      | 9                          | 5                            | 1.75                      | 10                         |                              |                           |                            |         |  |  |
| 14            | 2   | 75          |              |             |              |             |              |             |               |             | 8                            | 2.50                      | 10                         | 8                            | 2.90                      | 9                          | 8                            | 2.90                      | 9                          | 6                            | 1.50                      | 8                          |                              |                           |                            |         |  |  |
| 15            | 1   | 40          |              |             |              |             |              |             |               |             |                              |                           |                            | 4                            | 2.90                      | 8                          |                              |                           |                            |                              |                           |                            |                              |                           |                            |         |  |  |
| Totals        | 32  | \$1,562     | 9            | 137         | 18           | 918         | 11           | 276         | 1             | 92          | 28                           | \$33.45                   | 98                         | 241                          | \$68.87                   | 120                        | 238                          | \$25.55                   | 127                        | 193                          | \$23.87                   | 141                        | 38                           | \$7.06                    | 38                         |         |  |  |



## BRICK AND TILE MAKERS.

The Bureau received reports from 28 plants, of which 24 were tabulated, and the results are given in Table No. 11.

While in the aggregate the net results of operations in the industry were fairly satisfactory, numerous complaints are made of discrimination in shipping rates in favor of outside manufacturers, and that short-haul local rates are often excessive.

The 4 plants whose reports were not sufficiently complete for tabulation have a total capital of \$80,700, and their output was valued at \$69,200, making the aggregate capital \$2,044,400 and the value of the output \$987,971.

The average number of persons employed during each month of 1895 was 991, while the average during last year was 1,043; the total number of days operated in 1896 exceeded the previous year by 108 and the excess in the amount of wages paid was \$6,364.

The average monthly wages paid managers was \$132.64; salesmen, \$141.85; bookkeepers, \$69.63; clerks, \$51; stenographers, male \$50, female \$55.

The average daily wages paid engineers and firemen was \$2.35 for 10 1-5 hours; brick molders, \$1.96 for 9 4-5 hours; tile molders, \$2.02 for 10 hours; kiln men, \$2.16 for 10 1/4 hours; laborers, \$1.31 for 9 1/4 hours; helpers, \$1.06 for 9 1/4 hours.

Table No. 11.

## BRICK AND TILE.

| OFFICE NUMBER | Corporation | Members |         | Private firms—male members | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |          |         |           | Capital invested |        |
|---------------|-------------|---------|---------|----------------------------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|----------|---------|-----------|------------------|--------|
|               |             | Males   | Females |                            |  |   |   |  |  |   |   |   |   |   |   | Total                         | Rent     | Taxes   | Insurance |                  | Total  |
|               |             |         |         |                            |  |   |   |  |  |   |   |   |   |   |   |                               |          |         |           |                  |        |
| 1             |             | 2       |         | 2                          | \$ 98,400  | \$ 38,400   | \$ 38,400   | \$ 7,800   | \$ 10,000  | \$ 32,000   | \$ 38,400   | 312   | 312   | \$ 27,685                                       | \$ 24,847                                       | \$ 830                        | \$ 849   | \$1,880 | \$ 2,038  | \$ 300,000       |        |
| 2             |             | 2       |         | 2                          | 90,000   | 2,500   | 2,500   | 17,000   | 2,300  | 2,300   | 7,500   | 240   | 240   | 12,300  | 10,562  | 500                           | 300      | 250     | 1,080     | 80,000           |        |
| 3             |             | 2       |         | 2                          | 30,000   | 2,000   | 2,000   | 11,800   | 2,000  | 7,000   | 7,500   | 240   | 240   | 12,300  | 17,491  | 1,430                         | 427      | 1,867   | 1,867     | 60,000           |        |
| 4             |             | 13      | 1       | 14                         | 12,500   | 7,725   | 8,343   | 1,320  | 4,500  | 2,281   | 1,000   | 285   | 285   | 19,478  | 17,491  | 720                           | 98       | 427     | 1,867     | 60,000           |        |
| 5             |             | 4       | 1       | 5                          | 12,500   | 7,725   | 8,343   | 1,320  | 4,500  | 2,281   | 1,000   | 285   | 285   | 19,478  | 8,237   | 720                           | 98       | 427     | 1,867     | 60,000           |        |
| 6             |             | 1       |         | 1                          | 12,500   | 7,725   | 8,343   | 1,320  | 4,500  | 2,281   | 1,000   | 285   | 285   | 19,478  | 6,524   | 66                            | 66       | 212     | 278       | 20,000           |        |
| 7             |             | 1       |         | 1                          | 2,300  | 1,000   | 900   | 100  | 500  | 1,000   | 900   | 300   | 300   | 2,000   | 1,115   | 200                           | 9        | 208     | 118       | 18,000           |        |
| 8             |             | 4       |         | 4                          | 2,300  | 1,000   | 900   | 100  | 500  | 1,000   | 900   | 300   | 300   | 2,000   | 1,115   | 200                           | 9        | 208     | 118       | 18,000           |        |
| 9             |             | 4       |         | 4                          | 45,000   | 1,500   | 1,500   | 50   | 8,500  | 1,500   | 500   | 250   | 250   | 17,402  | 24,613  | 300                           | 300      | 780     | 1,060     | 186,000          |        |
| 10            |             | 2       |         | 2                          | 2,000  | 1,500   | 1,500   | 50   | 8,500  | 1,500   | 1,000   | 100   | 100   | 10,000  | 6,000   | 60                            | 18       | 96      | 244       | 15,000           |        |
| 11            |             | 2       |         | 2                          | 2,000  | 9,804   | 8,732   | 125  | 800  | 1,500   | 1,000   | 150   | 150   | 10,000  | 6,000   | 60                            | 18       | 96      | 244       | 15,000           |        |
| 12            |             | 2       |         | 2                          | 2,500  | 2,000   | 1,800   | 400  | 300  | 600   | 600   | 100   | 100   | 1,000   | 1,000   | 40                            | 10       | 10      | 40        | 5,800            |        |
| 13            |             | 2       |         | 2                          | 2,400  | 600   | 500   | 400  | 142  | 600   | 600   | 100   | 100   | 200   | 984   | 40                            | 10       | 10      | 40        | 1,700            |        |
| 14            |             | 1       |         | 1                          | 1,500  | 300   | 500   | 400  | 492  | 60  | 50  | 100   | 100   | 270   | 984   | 40                            | 10       | 10      | 40        | 8,000            |        |
| 15            |             | 3       |         | 3                          | 25,000   | 27,500  | 27,500  | 400  | 4,992  | 100   | 60  | 210   | 210   | 700   | 14,084  | 500                           | 8        | 240     | 728       | 68,000           |        |
| 16            |             | 8       |         | 8                          | 10,000   | 6,000   | 6,000   | 30,000   | 7,500  | 500   | 700   | 90  | 90  | 9,000   | 21,000  | 250                           | 235      | 240     | 728       | 100,000          |        |
| 17            |             | 8       |         | 8                          | 3,000  | 1,500   | 1,500   | 20,000   | 7,500  | 500   | 700   | 90  | 90  | 9,000   | 10,000  | 250                           | 235      | 240     | 728       | 100,000          |        |
| 18            |             | 8       |         | 8                          | 40,000   | 18,000  | 18,000  | 20,000   | 10,000   | 9,700   | 19,475  | 288   | 288   | 25,000  | 25,000  | 1,500                         | 110      | 300     | 410       | 92,000           |        |
| 19            |             | 3       |         | 3                          | 194,843  | 75,400  | 68,467  | 20,000   | 24,000   | 9,700   | 19,475  | 288   | 288   | 112,954   | 123,905   | 1,500                         | 8,713    | 1,847   | 6,888     | 400,000          |        |
| 20            |             | 3       |         | 3                          | 200,000  | 20,000  | 20,000  | 3,000  | 35,000   | 4,100   | 8,100   | 313   | 313   | 79,384  | 78,294  | 2,000                         | 8,682    | 2,985   | 8,477     | 500,000          |        |
| 21            |             | 3       | 1       | 4                          | 40,000   | 4,100   | 8,100   | 12,000   | 10,222   | 660   | 1,070   | 250   | 250   | 23,004  | 18,000  | 2,500                         | 2,500    | 215     | 2,650     | 12,000           |        |
| 22            |             | 3       | 3       | 6                          | 28,000   | 6,228   | 6,660   | 2,400  | 10,222   | 660   | 1,070   | 180   | 180   | 300   | 23,004  | 19,800                        | 341      | 341     | 215       | 2,650            | 76,300 |
| 23            |             | 1       | 1       | 2                          | 2,500  | 2,700   | 2,700   | 1,400  | 3,000  | 2,000   | 2,400   | 200   | 200   | 6,000   | 6,500   | 300                           | 140      | 300     | 640       | 22,000           |        |
| Totals.       |             | 91      | 7       | 98                         | \$13,9616.771  | \$2,732   | \$214,139   | \$69,614   | \$159,597  | \$96,946  | \$50,028  | 4,569   | 4,569   | \$409,831                                       | \$416,106                                       | \$10,880                      | \$10,138 | \$9,549 | \$80,560  | \$1,968,700      |        |

BRICK AND TILE.

Table No. 11—Continued.

| Office Number | OFFICE HELP                                  |              |             |              |              |              |             |              |               |              | ENGINEERS                    |                           |                            | BRICK MOULDERS               |                           |                            | TILE MOULDERS                |                           |                            | KILNMEN                      |                           |                            | LABORERS                     |                           |                            | HELPERS      |             |      |    |
|---------------|--|--------------|-------------|--------------|--------------|--------------|-------------|--------------|---------------|--------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|--------------|-------------|------|----|
|               | Average amount paid each month to each class |              |             |              |              |              |             |              |               |              |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |              |             |      |    |
|               | Managers and Foremen                         |              | Salesmen    |              | Book-keepers |              | Clerks      |              | Stenographers |              | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |              |             |      |    |
| No. of Males  | Amount Paid                                  | No. of Males | Amount Paid | No. of Males | Amount Paid  | No. of Males | Amount Paid | No. of Males | Amount Paid   | No. of Males | Amount Paid                  | No. of Males              | Amount Paid                | No. of Males                 | Amount Paid               | No. of Males               | Amount Paid                  | No. of Males              | Amount Paid                | No. of Males                 | Amount Paid               | No. of Males               | Amount Paid                  | No. of Males              | Amount Paid                | No. of Males | Amount Paid |      |    |
| 1             | 4  | \$ 224       | 1           | \$ 223       | 1            | \$ 75        | 2           | \$ 75        | 1             | \$ 50        | 3                            | \$2.00                    | 10                         | 2                            | 2.00                      | 10                         | 3                            | \$2.30                    | 10                         | 7                            | \$2.35                    | 10                         | 10                           | 12                        | 10                         | 40           | \$1.35      | 10   |    |
| 2             | 1  | 75           | 1           | 75           | 1            | 35           | 1           | 35           | 1             | 40           | 4                            | 2.50                      | 10                         | 2                            | 2.50                      | 10                         | 2                            | 2.15                      | 10                         | 2                            | 2.15                      | 10                         | 12                           | 12                        | 10                         | 4            | 40          | 1.90 | 10 |
| 3             | 2  | 150          | 1           | 150          | 1            | 65           | 1           | 65           | 1             | 35           | 3                            | 2.42                      | 10                         | 3                            | 2.42                      | 10                         | 3                            | 2.15                      | 10                         | 3                            | 2.15                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 4             | 1  | 85           | 1           | 85           | 1            | 50           | 1           | 50           | 1             | 35           | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.15                      | 10                         | 1                            | 2.15                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 5             | 1  | 50           | 1           | 50           | 1            | 50           | 1           | 50           | 1             | 50           | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 2.15                      | 10                         | 1                            | 2.15                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 6             | 1  | 150          | 1           | 125          | 1            | 75           | 1           | 75           | 1             | 50           | 7                            | 2.00                      | 10                         | 7                            | 2.00                      | 10                         | 10                           | 1.90                      | 10                         | 10                           | 1.90                      | 10                         | 12                           | 12                        | 10                         | 10           | 10          | 10   | 10 |
| 7             | 1  | 100          | 1           | 100          | 1            | 50           | 1           | 50           | 1             | 50           | 2                            | 2.00                      | 10                         | 2                            | 2.00                      | 10                         | 2                            | 1.75                      | 10                         | 2                            | 1.75                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 8             | 1  | 100          | 1           | 100          | 1            | 50           | 1           | 50           | 1             | 50           | 6                            | 2.00                      | 10                         | 6                            | 2.00                      | 10                         | 6                            | 1.50                      | 10                         | 6                            | 1.50                      | 10                         | 4                            | 4                         | 10                         | 10           | 10          | 10   | 10 |
| 9             | 1  | 100          | 1           | 100          | 1            | 50           | 2           | 50           | 1             | 40           | 2                            | 2.00                      | 12                         | 2                            | 2.00                      | 12                         | 2                            | 1.50                      | 10                         | 2                            | 1.50                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 10            | 1  | 175          | 2           | 125          | 2            | 113          | 4           | 68           | 1             | 70           | 15                           | 3.38                      | 10                         | 15                           | 3.38                      | 10                         | 15                           | 2.39                      | 10                         | 15                           | 2.39                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 11            | 3  | 240          | 2           | 215          | 2            | 80           | 4           | 63           | 1             | 40           | 15                           | 1.90                      | 9                          | 15                           | 1.90                      | 9                          | 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 40                           | 40                        | 10                         | 10           | 10          | 10   | 10 |
| 12            | 1  | 166          | 2           | 166          | 1            | 83           | 1           | 41           | 1             | 25           | 8                            | 2.00                      | 10                         | 8                            | 2.00                      | 10                         | 20                           | 1.50                      | 10                         | 20                           | 1.50                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 13            | 2  | 87           | 1           | 87           | 1            | 50           | 1           | 25           | 1             | 5            | 5                            | 1.25                      | 8                          | 5                            | 1.25                      | 8                          | 1                            | 1.50                      | 10                         | 1                            | 1.50                      | 10                         | 10                           | 10                        | 10                         | 10           | 10          | 10   | 10 |
| 14            | 1  | 125          | 1           | 125          | 1            | 50           | 1           | 50           | 1             | 50           | 1                            | 2.75                      | 10                         | 1                            | 2.75                      | 10                         | 1                            | 2.25                      | 10                         | 1                            | 2.25                      | 10                         | 12                           | 12                        | 10                         | 10           | 10          | 10   | 10 |
| Totals, ..    | 24   | \$1,867      | 14          | \$1,134      | 13           | \$706        | 15          | \$387        | 1             | \$ 50        | 21                           | \$23.50                   | 102                        | 124                          | \$27.42                   | 137                        | 5                            | \$4.05                    | 20                         | 77                           | \$23.75                   | 113                        | 846                          | \$38.88                   | 216                        | 71           | \$3.50      | 79   |    |





## LIME AND CEMENT WORKS.

The reports received from the manufacturers of lime and cement, 4 in number, are tabulated in Table No. 12.

The answers given to Question No. 14 indicate that this industry is not in satisfactory condition, and an analysis of the table (if the reports are correctly made) shows that some of the works were operated at a loss during the past year, the reasons for which condition are not given in the reports.

The average monthly salary paid managers was \$67.50, and 1 female bookkeeper \$25—the only clerical help reported.

The average daily wages paid quarrymen was \$1.95; teamsters, \$1.50; rock workers, \$1.50; firemen, \$1.75; laborers, \$1.18, the number of hours being 10 in each of these classes.

LIME AND CEMENT.

Table No. 12.

| OFFICE NUMBER | Private firms—male members |         |       | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 |       |         |
|---------------|----------------------------|---------|-------|--|---|---|--|--|---|---|---|---|---|---|-------|---------|
|               | Corporation                | Members | Total |  |   |   |  |  |   |   |   |   |   |   |       |         |
|               |                            |         |       |  |   |   |  |  |   |   |   |   |   |   | Males | Females |
|               |                            |         |       |  |   |   |  |  |   |   |   |   |   |   |       |         |
| 1             | 4                          | 1       | 5     | \$20,848   | \$ 534  | \$ 444  | ...  | \$16,571   | \$2,028   | \$4,049   | 290   | 290   | \$ 8,913  | \$ 9,020  |       |         |
| 2             | ...                        | ...     | ...   | 7,500  | 500   | 750   | \$3,000  | 2,000  | 100   | 300   | 80  | 80  | 7,000   | 5,000   |       |         |
| 3             | ...                        | ...     | ...   | 4,408  | ...   | 120   | 1,408  | 8,006  | ...   | 35  | ...   | ...   | 200   | 2,197   |       |         |
| 4             | 8                          | 3       | 11    | 8,000  | ...   | 800   | 3,500  | ...  | 750   | 800   | 235   | 235   | 2,500   | 3,800   |       |         |
| Totals        | 7                          | 1       | 8     | \$40,257   | \$1,034   | \$1,614   | \$7,908  | \$21,577   | \$3,773   | \$5,384   | 596   | 596   | \$18,413  | \$20,117  |       |         |

LIME AND CEMENT.

Table No. 12.—Continued.

| OFFICE NUMBER | TOTAL AMOUNT<br>PAID IN 1906<br>FOR |        |           |           | Capital invested |                |                   |                | OFFICE HELP<br>Average amount<br>paid each month to<br>each class |                  | QUARRY<br>MEN                   |                               | TEAMSTERS                      |                                 | ROCK<br>BREAKERS              |                                | FIREMEN                         |                               | LABORERS                       |                                 |                               |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
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|               | Rent                                | Taxes  | Insurance | Total     | No. of<br>Males  | Amount<br>Paid | No. of<br>Females | Amount<br>Paid | Managers<br>and<br>Foremen  | Book-<br>keepers | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|               |                                     |        |           |           |                  |                |                   |                |   |                  |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|               |                                     |        |           |           |                  |                |                   |                |   |                  |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 1.....        | \$ 174                              | \$ 179 | \$ 363    | \$ 80,000 | 1                | 76             | 1                 | 25             |   |                  |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |



## CARRIAGE AND WAGON MANUFACTURES.

Reports from 33 factories are tabulated in Table No. 13, in addition to which incomplete reports were received from 5 others, whose capital amounted to \$18,200, and whose manufactures were valued at \$23,820; the total capital of the 38 factories being \$957,857, and their aggregate output \$1,399,055.

This industry shows a reasonably good business during the past year and wages were fairly well maintained. A few complaints are made of excessive fire insurance rates.

As means for the betterment of trade, the universal construction of good roads and the adoption of such a financial policy as will make the farmers generally prosperous are suggested by these manufacturers.

The excess in the total number of days operated in 1896 over the previous year was 47. The average number of persons employed during each month in 1895 was 722, and in 1896 the average was 705.

The average monthly salary paid managers was \$91; salesmen, \$107.25; bookkeepers, males \$71, females \$20; clerks, \$50; stenographers, males \$45, females \$36.67.

Engineers and firemen were paid, as average daily wages, \$2.40 for 9 hours; blacksmiths, \$1.98 for 9½ hours; woodworkers, \$1.91 for 9½ hours; machine men, \$2.08 for 9 1-3 hours; painters, \$1.81 for 9½ hours; trimmers, males \$2.11 for 9 5-9 hours, females \$1.29 for 9½ hours; helpers, males \$1.55 for 10 hours, females \$1.42 for 9 1-3 hours.

CARRIAGES, BUGGIES AND WAGONS.

Table No. 13.

| OFFICE NUMBER | Corporation |         |       | Private firms—male members |            |            | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials used during the year 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 |            |            |
|---------------|-------------|---------|-------|----------------------------|------------|------------|--|---|---|--|---|---|---|---|---|---|---|------------|------------|
|               | Members     |         |       | Total                      |            |            |  |   |   |  |   |   |   |   |   |   |   |            |            |
|               | Males       | Females | Total | Males                      | Females    | Total      |  |   |   |  |   |   |   |   |   |   |   |            |            |
| 1             | 8           |         | 8     | 15,000                     | 5,000      | 5,000      | 2,500  | 360   | 1,000   | 1,000  | 1,000   | 1,000   | 300   | 300   | 300   | 300   | 250   | 250        |            |
| 2             | 2           | 1       | 3     | 13,076                     | 4,215      | 8,241      | 4,584  | 700   | 4,215   | 8,241  | 8,241   | 8,241   | 8,241   | 313   | 313   | 10,481  | 10,481  | 650        | 650        |
| 3             | 2           | 1       | 3     | 37,571                     | 8,022      | 8,432      | 18,698   | 1,225   | 8,022   | 8,432  | 18,698  | 18,698  | 9,698   | 305   | 305   | 10,481  | 10,481  | 1,000      | 1,000      |
| 4             | 4           |         | 4     | 60,000                     | 17,000     | 17,000     | 36,000   | 1,400   | 17,000  | 17,000   | 36,000  | 36,000  | 725   | 308   | 308   | 11,000  | 11,000  | 1,700      | 1,700      |
| 5             | 6           |         | 6     | 13,000                     | 2,500      | 2,500      | 500  | 25  | 2,500   | 2,500  | 500   | 200   | 200   | 300   | 300   | 4,180   | 4,180   | 5,000      | 5,000      |
| 6             | 7           |         | 7     | 23,000                     | 2,500      | 2,500      | 500  | 25  | 2,500   | 2,500  | 500   | 200   | 200   | 300   | 300   | 5,000   | 5,000   | 1,010      | 1,010      |
| 7             | 8           |         | 8     | 2,500                      | 2,500      | 2,500      | 500  | 150   | 2,500   | 2,500  | 500   | 4,000   | 4,000   | 300   | 300   | 8,240   | 8,240   | 1,515      | 1,515      |
| 8             | 8           |         | 8     | 19,554                     | 2,569      | 2,569      | 434  | 100   | 2,569   | 2,569  | 434   | 4,000   | 4,000   | 297   | 297   | 3,615   | 3,615   | 1,461      | 1,461      |
| 9             | 7           |         | 7     | 85,000                     | 28,668     | 28,668     | 43,686   | 1,023   | 28,668  | 28,668   | 43,686  | 53,752  | 47,818  | 280   | 280   | 23,041  | 23,041  | 2,411      | 2,411      |
| 10            | 10          |         | 10    | 41,000                     | 1,000      | 1,000      | 500  | 50  | 1,000   | 1,000  | 500   | 500   | 11,976  | 308   | 308   | 5,000   | 5,000   | 1,176      | 1,176      |
| 11            | 11          |         | 11    | 8,000                      | 600        | 600        | 500  | 200   | 600   | 600  | 500   | 1,678   | 1,700   | 314   | 314   | 2,200   | 2,200   | 1,820      | 1,820      |
| 12            | 12          |         | 12    | 7,740                      | 700        | 700        | 500  | 350   | 700   | 700  | 500   | 1,678   | 1,700   | 314   | 314   | 2,200   | 2,200   | 1,820      | 1,820      |
| 13            | 13          |         | 13    | 88,000                     | 2,300      | 2,300      | 18,000   | 350   | 2,300   | 2,300  | 18,000  | 744   | 1,008   | 310   | 310   | 4,282   | 4,282   | 6,675      | 6,675      |
| 14            | 14          |         | 14    | 7,702                      | 1,170      | 1,170      | 1,000  | 100   | 1,170   | 1,170  | 1,000   | 1,000   | 1,008   | 300   | 300   | 2,350   | 2,350   | 1,700      | 1,700      |
| 15            | 15          |         | 15    | 40,000                     | 2,000      | 2,000      | 500  | 500   | 2,000   | 2,000  | 500   | 1,000   | 10,200  | 275   | 275   | 18,850  | 18,850  | 17,682     | 17,682     |
| 16            | 16          |         | 16    | 135,971                    | 1,500      | 1,500      | 38,413   | 960   | 1,500   | 1,500  | 38,413  | 11,500  | 10,200  | 275   | 275   | 17,682  | 17,682  | 17,682     | 17,682     |
| 17            | 17          |         | 17    | 140,000                    | 1,700      | 1,700      | 1,260  | 549   | 1,700   | 1,700  | 1,260   | 25,000  | 28,000  | 270   | 270   | 20,008  | 20,008  | 20,008     | 20,008     |
| 18            | 18          |         | 18    | 21,560                     | 1,860      | 1,860      | 13,946   | 1,500   | 1,860   | 1,860  | 13,946  | 14,119  | 14,582  | 280   | 280   | 26,753  | 26,753  | 26,753     | 26,753     |
| 19            | 19          |         | 19    | 135,000                    | 48,000     | 48,000     | 85,000   | 1,500   | 48,000  | 48,000   | 85,000  | 45,000  | 50,000  | 280   | 280   | 31,538  | 31,538  | 31,538     | 31,538     |
| 20            | 20          |         | 20    | 140,000                    | 30,000     | 30,000     | 85,000   | 500   | 30,000  | 30,000   | 85,000  | 25,000  | 30,000  | 280   | 280   | 42,384  | 42,384  | 42,384     | 42,384     |
| 21            | 21          |         | 21    | 180,000                    | 800        | 800        | 100,000  | 35  | 800   | 800  | 100,000   | 25,000  | 30,000  | 280   | 280   | 22,000  | 22,000  | 22,000     | 22,000     |
| 22            | 22          |         | 22    | 1,400                      | 200        | 200        | 200  | 85  | 200   | 200  | 200   | 150   | 75  | 300   | 300   | 10,000  | 10,000  | 1,455      | 1,455      |
| 23            | 23          |         | 23    | 2,000                      | 1,000      | 1,000      | 1,500  | 240   | 1,000   | 1,000  | 1,500   | 100   | 100   | 312   | 312   | 825   | 825   | 1,280      | 1,280      |
| 24            | 24          |         | 24    | 6,000                      | 900        | 900        | 2,000  | 240   | 900   | 900  | 2,000   | 100   | 100   | 313   | 313   | 1,280   | 1,280   | 1,280      | 1,280      |
| 25            | 25          |         | 25    | 20,000                     | 450        | 450        | 8,000  | 240   | 450   | 450  | 8,000   | 1,000   | 1,000   | 311   | 311   | 2,075   | 2,075   | 2,075      | 2,075      |
| 26            | 26          |         | 26    | 10,000                     | 5,000      | 5,000      | 2,000  | 10,000  | 5,000   | 5,000  | 2,000   | 5,000   | 5,000   | 307   | 307   | 4,108   | 4,108   | 4,108      | 4,108      |
| 27            | 27          |         | 27    | 90,000                     | 10,000     | 10,000     | 40,000   | 10,000  | 10,000  | 10,000   | 40,000  | 10,000  | 10,000  | 300   | 300   | 5,600   | 5,600   | 5,600      | 5,600      |
| 28            | 28          |         | 28    | 90,000                     | 10,000     | 10,000     | 40,000   | 10,000  | 10,000  | 10,000   | 40,000  | 10,000  | 10,000  | 300   | 300   | 25,000  | 25,000  | 25,000     | 25,000     |
| Totals        | 70          | 11      | 81    | \$ 1,175,258               | \$ 213,190 | \$ 213,190 | \$ 647,107   | \$ 231,147  | \$ 647,107  | \$ 647,107   | \$ 647,107  | \$ 647,107  | \$ 647,107  | 9,4152  | 9,4152  | \$ 216,523                                      | \$ 216,523                                      | \$ 216,523 | \$ 216,523 |

## BUREAU OF LABOR STATISTICS.

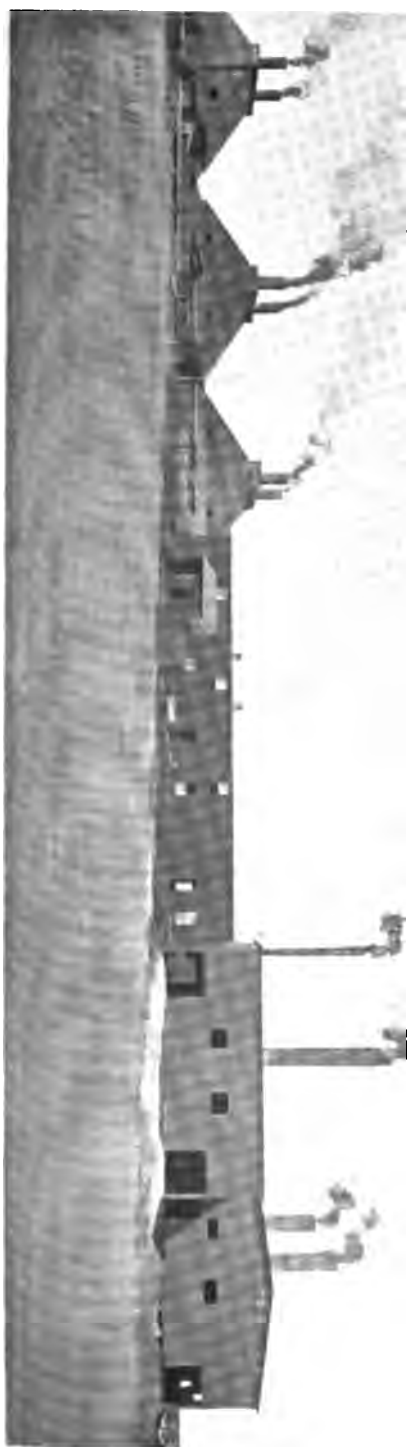
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## CARRIAGES, BUGGIES AND WAGONS.

| OFFICE NUMBER | TOTAL AMOUNT PAID IN 1906 FOR |        |           |          | Capital invested | OFFICE HELP<br>Average amount paid in salaries each month to each class |              |             |              |             |              |             |               |             |                              | ENGINEERS                 |                            |                              |                           | BLACK-SMITHS               |              |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|               | Rent                          | Taxes  | Insurance | Total    |                  | Man'grs and Fore'm'n  | Sales-men    |             | Book-keepers |             | Clerks       |             | Stenographers |             | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |              |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|               |                               |        |           |          |                  |   | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid |                              |                           |                            |                              |                           |                            | No. of Males | Amount Paid |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|               |                               |        |           |          |                  |   |              |             |              |             |              |             |               |             |                              |                           |                            |                              |                           |                            |              |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1             | \$ 300                        | \$ 180 | \$ 520    | \$ 1,000 | \$ 27,000        |   |              |             |              | 1           | \$ 75        |             |               |             |                              |                           | 1                          | \$ 2.60                      | 8                         |                            |              |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |







GENERAL VIEW OF NEVADA SMELTER CO.'S PLANT, NEVADA, MO.



## AGRICULTURAL IMPLEMENT MANUFACTURES.

Table No. 14 contains the tabulation of reports from 13 factories, being all of such reports received.

Of the above number 8 are incorporated, with 97 male and 15 female members, and 5 are private firms having 10 male members.

The results of operations of this industry during the past year were generally unsatisfactory, the causes assigned for which being slow collections, keen competition and discriminative freight rates in favor of outside manufacturers. More satisfactory results are expected from this year's business.

The total number of days operated in 1896 exceeded the preceding year 884, but the average number of persons employed was less, there being 279 for 1895 and 256 for 1896, with a decrease of \$6,506 in the amount of wages paid.

The average monthly salary paid managers was \$111.89; salesmen, \$101; bookkeepers, \$71.25; clerks, \$56; stenographers, males \$55, females \$61.67.

The average wages paid engineers and firemen was \$2.44 for 9¼ hours; blacksmiths, \$2.47 for 9 6-7 hours; woodworkers, \$1.98 for 9 3-8 hours; machinists, \$1.86 for 9¼ hours; patternmakers, \$2.18 for 9 2-5 hours; painters, \$2.13 for 9¼ hours; helpers, \$1.47 for 9¼ hours.

AGRICULTURAL IMPLEMENTS.

Table No. 14.

| OFFICE NUMBER | Corporation | Private firms—male members |         |       | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT<br>PAID IN 1896 |         |           |           | Capital invested | OFFICE HELP     |                   |               |  |
|---------------|-------------|----------------------------|---------|-------|---|--|--|---|--|--|--|--|--|--|--|------------------------------|---------|-----------|-----------|------------------|-----------------|-------------------|---------------|--|
|               |             | Males                      | Females | Total |   |  |  |   |  |  |  |  |  |  |  | Rent                         | Taxes   | Insurance | Total     |                  | No. of<br>Males | No. of<br>Foremen | Sales-<br>men | Average amount<br>paid each month to<br>each class |
|               |             |                            |         |       |   |  |  |   |  |  |  |  |  |  |  |                              |         |           |           |                  |                 |                   |               |  |
| 1             |             | 4                          |         | 4     | \$176,240   | \$43,640   | \$46,374   | \$22,196  | \$1,578  | \$43,640   | \$46,374   | 248  | 236  | \$3,671  | \$3,441  | \$654                        | \$553   | \$1,077   | \$150,000 |                  |                 |                   |               |  |
| 2             |             | 3                          |         | 3     | 2,000   | 696  | 8,000  | 2,184   | 167  | 944  | 3,000  | 250  | 250  | 1,500  | 1,500  | 110                          | 120     | 230       | 9,000     |                  |                 |                   |               |  |
| 3             |             | 8                          |         | 8     | 8,373   | 696  | 696  | 9,011   | 1,801  | 944  | 730  | 310  | 290  | 1,728  | 3,460  | \$218                        | 67      | 100       | 385       | 10,000           | 1               | 87                | 1             | 125  |
| 4             |             | 4                          |         | 4     | 20,649  | 8,000  | 21,624   | 2,900   | 1,801  | 19,849   | 19,849   | 60   | 175  | 6,000  | 3,460  | 700                          | 164     | 844       | 10,000    | 1                | 150             | 1                 | 125           |  |
| 5             |             | 6                          |         | 6     | 2,000   | 8,000  | 4,000  | 2,900   | 180  | 190  | 190  | 60   | 57   | 600  | 600  | 25                           | 25      | 25        | 8,000     | 1                | 150             | 1                 | 125           |  |
| 6             |             | 71                         | 12      | 83    | 87,000  | 60,000   | 50,000   | 97,000  | 20,000   | 45,000   | 87,000   | 280  | 250  | 8,500  | 12,000   | 1,250                        | 14      | 14        | 1,500     | 1                | 135             | 1                 | 135           |  |
| 7             |             | 3                          |         | 3     | 4,000   | 2,000  | 5,000  | 3,500   | 150  | 300  | 500  | 30   | 270  | 1,000  | 50   | 1,000                        | 50      | 150       | 15,000    | 1                | 100             | 1                 | 100           |  |
| 8             |             | 4                          |         | 4     | 145,988   | 2,000  | 1,850  | 76,232  | 441  | 5,000  | 5,000  | 270  | 230  | 2,000  | 2,000  | 100                          | 100     | 150       | 400,000   | 150              | 4               | 85                | 85            |  |
| 9             |             | 4                          |         | 4     | 50,000  | 10,000   | 10,000   | 30,000  | 1,500  | 8,000  | 2,500  | 242  | 250  | 9,500  | 9,500  | 286                          | 800     | 585       | 24,000    | 125              | 8               | 100               | 100           |  |
| 10            |             | 5                          |         | 5     | 7,000   | 700  | 700  | 2,100   | 277  | 3,400  | 2,500  | 300  | 200  | 2,275  | 2,275  | 900                          | 18      | 96        | 1,074     | 6,500            | 1               | 100               | 1             | 100  |
| 11            |             | 3                          |         | 3     | 24,000  | 15,000   | 15,000   | 9,000   | 75   | 2,000  | 2,000  | 275  | 235  | 2,400  | 2,400  | 360                          | 20      | 25        | 2,000     | 1                | 60              | 1                 | 60            |  |
| 12            |             | 4                          |         | 4     | 30,000  | 2,800  | 4,865  | 8,200   | 880  | 2,000  | 922  | 290  | 290  | 10,000   | 14,000   | 150                          | 100     | 250       | 30,000    | 1                | 100             | 1                 | 100           |  |
| Totals        |             | 97                         | 15      | 112   | \$562,230   | \$137,496  | \$273,943  | \$3,679   | \$79,679   | \$100,609  | \$116,363  | \$2,305  | \$2,196  | \$61,326   | \$61,326   | \$2,238                      | \$1,708 | \$2,483   | \$68,628  | \$739,812        | 11              | 91                | 107           | 505  |

Table No. 14.—Continued.

## AGRICULTURAL IMPLEMENTS.

| OFFICE NUMBER | OFFICE HELP<br>Average amount paid each month<br>to each class |  |  |  |  |  | ENGINEERS                    |                           |                            | BLACK-<br>SMITHS             |                           |                            | WOOD<br>WORKERS              |                           |                            | MACHINISTS                   |                           |                            | PATTERN<br>MAKERS            |                           |                            | PAINTERS                     |                           |                            | HELPERS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|               |  |  |  |  |  |  | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## METAL WORKS.

This classification embraces bell, type and heavy metal foundries, plumbing fixtures and tool factories, bolt and babbit metal works and all of the various metal and machine manufactories not included in the list of boilers, cornice and sheet metal, brass and tin, stoves and car works.

Table No. 15 contains the tabulation of reports from 53 shops, the 17 other reports received being incomplete.

Of the 53 concerns 45 are corporations, having 194 male and 25 female members, and 8 are private firms, with 13 male members. Their total capital is \$4,563,585 and their manufactures were valued at \$3,677,755.

In answer to Question No. 14, such expressions as "dull," "very dull," "gloomy," "very bad," "unsatisfactory," etc., characterize a majority of the reports in this table, and the suggestions for improvement are equally varied—"a high protective tariff," "general prosperity," "ten years' vacation for all legislative bodies," "the death of a lot of our fool competitors," etc., being a few of them.

The total number of days operated during 1896 exceeded the previous year by 1,412. The average number of persons employed during 1895 was 2,932; in 1896 the average was 3,063. The amount of wages paid in 1896 exceeded the previous year by \$78,864.

The average monthly salary paid managers was \$119.55; salesmen, \$103.42; bookkeepers, \$90.18; clerks, males \$53.71, females \$50; stenographers, males \$44.43, females \$51.18.

Engineers and firemen were paid \$2.29 for 10 hours; foremen, \$2.85 for 9½ hours; patternmakers, \$2.46 for 9 2-3 hours; molders, \$2.32 for 9 2-3 hours; machinists, \$1.95 for 9 3-5 hours; lathemen, \$2.33 for 9 2-3 hours; helpers, males \$1.41 for 10 hours, females 67 cents for 9 3-5 hours.



Table No. 15.

## METAL WORKS.

| OFFICE<br>NUMBER | Corporation |         |       | Private firms—male members | Total value of all goods manufac-<br>tured during the year 1886 | Value of manufactured goods on<br>hand January 1, 1886 | Value of manufactured goods on<br>hand January 1, 1887 | Total value of all stock or material<br>used during the year 1886 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1886 | Total value of stock or materials<br>on hand January 1, 1886 | Total value of stock or materials<br>on hand January 1, 1887 |
|------------------|-------------|---------|-------|----------------------------|---|--|--|---|--|--|--|
|                  | Members     |         |       |                            |   |  |  |   |  |  |  |
|                  | Males       | Females | Total |                            |   |  |  |   |  |  |  |
| 1.               |             |         |       | 2                          | \$432,000   | \$ 50,000  | \$ 45,000  | \$201,200   | \$ 4,000   | \$ 30,000  | \$34,000   |
| 2.               | 4           |         | 4     |                            | 208,680   |  |  | 68,211  | 5,710  | 22,000   | 18,200   |
| 3.               |             |         |       | 2                          | 8,000   | 3,000  | 4,000  | 2,500   | 350  | 100  | 100  |
| 4.               | 5           | 1       | 6     |                            | 25,000  | 4,000  | 5,000  | 10,000  | 1,500  | 8,000  | 5,800  |
| 5.               | 3           |         | 3     |                            | 6,000   |  |  |   |  |  |  |
| 6.               |             |         |       | 1                          | 37,631  | 2,000  | 2,000  | 22,150  | 500  | 8,000  | 10,000   |
| 7.               | 6           | 1       | 7     |                            | 87,000  | 3,850  | 5,000  | 34,500  | 5,000  | 5,350  | 6,425  |
| 8.               |             |         |       | 2                          | 96,000  | 28,000   | 31,000   | 51,000  | 3,000  | 22,000   | 24,000   |
| 9.               |             | 1       | 1     | 4                          | 33,543  | 1,280  |  | 1,172   | 712  | 5,400  | 6,200  |
| 10.              | 3           |         | 3     | 7                          | 162,294   | 20,498   | 18,648   | 47,867  | 9,628  | 7,139  | 7,046  |
| 11.              | 4           |         | 4     |                            | 175,000   | 20,000   | 20,000   | 75,000  | 2,250  | 10,000   | 10,000   |
| 12.              |             |         |       | 2                          | 3,800   | 100  | 100  | 1,500   |  |  |  |
| 13.              | 5           |         | 5     | 3                          | 36,080  |  |  | 12,000  | 4,250  |  |  |
| 14.              | 3           |         | 3     | 5                          | 35,000  | 6,500  | 6,000  | 12,000  | 600  | 17,500   | 16,000   |
| 15.              | 3           |         | 3     | 3                          | 30,000  |  |  | 15,000  | 1,200  | 500  | 500  |
| 16.              | 3           |         | 3     |                            | 5,000   |  |  | 2,151   |  |  |  |
| 17.              | 3           | 1       | 4     | 3                          | 106,388   | 1,837  | 1,344  | 42,690  | 12,311   | 16,542   | 17,327   |
| 18.              | 3           |         | 3     | 3                          | 70,000  | 40,000   | 35,000   | 15,000  |  |  |  |
| 19.              | 5           | 1       | 6     |                            | 217,000   | 7,000  | 13,000   | 100,000   | 6,000  | 12,000   | 15,000   |
| 20.              | 4           |         | 4     | 4                          | 71,000  | 9,750  | 8,000  | 45,000  | 13,100   | 14,900   | 13,000   |
| 21.              | 2           | 2       | 4     | 4                          | 61,784  | 16,722   | 17,858   | 60,981  | 8,936  | 6,678  | 6,228  |
| 22.              | 4           | 1       | 5     | 5                          | 151,000   | 4,350  | 4,690  | 54,700  | 3,900  | 13,200   | 9,250  |
| 23.              | 4           | 1       | 5     | 2                          | 92,058  | 1,000  | 1,000  | 50,000  | 500  | 1,000  | 1,300  |
| 24.              | 2           |         | 2     |                            | 73,598  |  |  |   | 1,490  |  |  |
| 25.              | 17          | 3       | 20    |                            | 340,566   | 5,000  | 5,000  | 152,425   | 32,775   | 50,000   | 50,000   |
| 26.              | 2           |         | 2     | 4                          | 76,000  | 8,500  | 7,500  | 40,000  | 24,000   | 15,000   | 13,000   |
| 27.              |             |         |       | 2                          | 31,889  | 5,089  | 4,150  | 22,000  | 2,400  | 5,089  | 4,150  |
| 28.              |             |         |       | 1                          | 133,608   | 18,814   | 10,813   |   |  |  |  |
| 29.              | 5           |         | 5     |                            | 60,000  | 1,000  | 800  |   | 100  | 1,500  | 1,300  |
| 30.              | 6           |         | 6     |                            | 10,000  |  |  | 2,550   |  |  |  |
| 31.              | 6           |         | 6     |                            | 40,000  | 1,000  | 2,500  | 20,000  | 1,800  | 500  | 200  |
| 32.              | 5           | 1       | 6     |                            | 7,000   | 1,800  | 1,400  | 3,500   | 400  | 1,700  | 1,650  |
| 33.              | 2           |         | 2     |                            | 150,000   | 40,000   | 30,000   |   |  |  |  |
| 34.              | 3           |         | 3     |                            | 52,900  | 29,000   | 24,000   | 20,000  | 3,000  | 29,000   | 24,000   |
| 35.              | 3           |         | 3     |                            | 36,848  | 1,300  | 2,800  | 23,578  | 620  | 1,300  | 2,600  |
| 36.              | 2           | 1       | 3     |                            | 106,388   | 5,400  | 6,023  | 42,690  | 18,811   | 20,650   | 21,380   |
| 37.              | 4           |         | 4     |                            | 310,000   | 67,000   | 87,800   | 200,000   | 7,885  | 60,000   | 54,000   |
| 38.              | 3           |         | 3     |                            | 14,129  | 300  | 200  | 4,650   | 1,500  | 400  | 500  |
| 39.              | 3           |         | 3     | 3                          | 53,000  | 19,600   | 13,000   | 40,000  | 5,000  | 1,500  | 10,000   |
| 40.              | 5           |         | 5     |                            | 112,249   | 581  | 5,322  | 48,087  |  | 16,377   | 39,825   |
| 41.              | 17          | 4       | 21    |                            | 373,179   | 16,208   | 50,610   | 116,178   | 66,504   | 47,289   | 22,009   |
| 42.              | 3           |         | 3     |                            | 10,000  |  | 2,000  | 4,000   |  |  |  |
| 43.              | 2           | 1       | 3     |                            | 60,000  |  |  |   |  |  |  |
| 44.              | 4           |         | 4     |                            | 85,000  |  |  | 34,000  |  |  |  |
| 45.              | 6           |         | 6     |                            | 41,150  |  |  | 10,000  |  |  | 1,000  |
| 46.              |             |         |       | 1                          | 18,000  |  | 300  | 2,000   | 1,250  |  | 400  |
| 47.              | 2           |         | 2     |                            | 35,000  | 10,000   | 12,000   | 11,000  | 2,800  | 1,500  | 1,000  |
| 48.              | 2           | 2       | 4     |                            | 9,000   | 4,000  | 5,000  | 6,750   | 150  | 6,000  | 5,450  |
| 49.              | 2           | 1       | 3     |                            | 10,500  |  |  | 5,700   |  | 4,222  | 4,497  |
| 50.              | 5           |         | 5     |                            | 140,000   | 130,000  | 130,000  | 40,000  | 5,900  | 5,000  | 5,000  |
| 51.              | 4           |         | 4     |                            | 46,800  |  |  | 13,000  | 3,000  | 1,000  | 1,000  |
| 52.              | 7           | 1       | 8     |                            | 56,387  | 852  | 769  | 17,209  | 2,465  | 4,750  | 4,662  |
| 53.              |             |         |       | 2                          | 38,418  | 431  | 412  | 9,784   | 3,911  | 405  | 1,753  |
| Totals           | 194         | 25      | 219   | 13                         | \$3,677,755   | \$585,482  | \$619,600  | \$1,813,613   | \$297,208  | \$473,531  | \$469,492  |

Table No. 15.—Cont.

## METAL WORKS.

| Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 | TOTAL AMOUNT PAID<br>IN 1886 FOR |          |           |           |                            | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |              |             |  |
|---|---|---|---|----------------------------------|----------|-----------|-----------|----------------------------|------------------|---|--------------|-------------|--|
|   |   |   |   | Rent                             | Taxes    | Insurance | Total     | Managers<br>and<br>Foremen |                  | Salesmen  |              |             |  |
|   |   |   |   |                                  |          |           |           | No. of Males               |                  | Amount Paid   | No. of Males | Amount Paid |  |
|   |   |   |   |                                  |          |           |           |                            |                  |   |              |             |  |
| 310   | 311   | \$ 97,000                                       | \$ 105,000                                      | \$4,900                          | \$1,300  | \$ 1,300  | \$ 7,500  | \$ 300,000                 | 8                | 110   | 1            | 100         |  |
| 310   | 292   | 47,365  | 36,325  | .....                            | 478      | 1,062     | 1,540     | 150,000                    | 4                | 171   | 4            | 129         |  |
| 313   | 314   | 2,000   | 3,000   | 216                              | 18       | 30        | 264       | 5,000                      | .....            | .....   | 2            | 80          |  |
| 310   | 310   | 9,155   | 9,500   | .....                            | 133      | 200       | 333       | 8,000                      | 1                | 100   | 1            | 75          |  |
| 300   | 300   | 3,100   | 3,300   | .....                            | 56       | 80        | 136       | 4,000                      | 1                | 60  | .....        | .....       |  |
| 311   | 312   | 13,661  | 15,481  | .....                            | 300      | .....     | 300       | 16,000                     | 2                | 70  | .....        | .....       |  |
| 286   | 286   | 34,553  | 27,502  | .....                            | 209      | 500       | 709       | 50,000                     | 4                | 65  | .....        | .....       |  |
| 275   | 275   | 43,000  | 38,000  | 3,200                            | 279      | 1,300     | 4,779     | 145,000                    | 1                | 208   | 5            | 95          |  |
| 308   | 301   | 16,512  | 19,379  | .....                            | 275      | 580       | 855       | 25,000                     | 1                | 85  | .....        | .....       |  |
| 288   | 300   | 65,719  | 66,475  | .....                            | 1,066    | 3,528     | 4,592     | 50,000                     | 6                | 108   | 2            | 87          |  |
| 300   | 300   | 50,000  | 52,700  | 2,000                            | 878      | 2,500     | 5,378     | 250,000                    | 4                | 120   | 13           | 102         |  |
| 300   | 300   | 1,200   | 1,500   | 250                              | 90       | 88        | 428       | 1,500                      | .....            | .....   | .....        | .....       |  |
| 210   | 185   | 15,750  | 18,964  | 2,539                            | 490      | 490       | 3,479     | 75,000                     | 4                | 78  | 1            | 78          |  |
| 310   | 310   | 10,419  | 7,236   | 938                              | 166      | 422       | 1,525     | 29,000                     | 1                | 83  | .....        | .....       |  |
| 200   | 180   | 1,873   | 3,495   | 480                              | 75       | 89        | 644       | 6,000                      | 1                | 125   | .....        | .....       |  |
| .....   | 275   | .....   | 7,558   | 1,250                            | 40       | 166       | 1,455     | 62,000                     | 1                | 100   | .....        | .....       |  |
| 236   | 246   | 33,498  | 30,222  | 2,760                            | 1,387    | 1,274     | 5,421     | 100,000                    | 2                | 93  | .....        | .....       |  |
| 300   | 250   | 45,000  | 35,000  | 1,200                            | 720      | 591       | 2,511     | 100,000                    | 2                | 150   | 2            | 150         |  |
| 300   | 300   | 60,080  | 61,410  | 4,400                            | 1,850    | 3,680     | 9,910     | 250,000                    | 3                | 150   | .....        | .....       |  |
| 290   | 234   | 10,800  | 8,900   | .....                            | 360      | 323       | 683       | 60,000                     | 1                | 75  | .....        | .....       |  |
| 258   | 262   | 9,565   | 37,698  | 1,200                            | .....    | 287       | 1,487     | 35,000                     | 5                | 100   | .....        | .....       |  |
| 299   | 294   | 78,386  | 74,676  | .....                            | 998      | 718       | 1,718     | 50,000                     | 4                | 200   | .....        | .....       |  |
| 290   | 300   | 30,280  | 31,971  | .....                            | 210      | 368       | 548       | 41,000                     | 2                | 125   | 1            | 75          |  |
| 313   | 314   | 28,657  | 28,912  | 2,375                            | 200      | 837       | 3,412     | 50,000                     | 2                | 141   | 2            | 82          |  |
| 248   | 255   | 95,693  | 105,748   | 1,250                            | 1,125    | 2,716     | 5,091     | 300,000                    | 3                | 324   | 1            | 156         |  |
| 295   | 280   | 9,400   | 7,900   | .....                            | 520      | 280       | 810       | 60,000                     | 1                | 72  | .....        | .....       |  |
| 300   | 300   | 1,500   | 2,400   | 100                              | 50       | 100       | 250       | 20,000                     | 2                | 160   | .....        | .....       |  |
| 300   | 300   | 112,224   | 107,615   | .....                            | 4,007    | .....     | 4,007     | 90,000                     | 1                | 100   | 6            | 45          |  |
| 200   | 210   | 600   | 500   | .....                            | .....    | 7,000     | 7,000     | 90,000                     | 1                | 100   | 1            | 35          |  |
| 313   | 314   | 6,375   | 4,850   | 690                              | 12       | .....     | 662       | 3,000                      | 1                | 75  | 1            | 65          |  |
| .....   | 270   | .....   | 16,200  | 1,350                            | 138      | 240       | 1,728     | 10,000                     | 1                | 100   | 1            | 75          |  |
| 305   | 300   | 5,500   | 5,100   | .....                            | 131      | 335       | 466       | 20,000                     | 2                | 83  | 2            | 83          |  |
| 300   | 300   | 36,600  | 33,000  | 3,500                            | 1,200    | 750       | 5,450     | 150,000                    | 6                | 125   | 3            | 80          |  |
| 290   | 285   | 18,000  | 20,000  | .....                            | 485      | 480       | 945       | 110,000                    | 4                | 50  | .....        | .....       |  |
| 307   | 308   | 4,922   | 4,323   | 600                              | 95       | 120       | 325       | 25,000                     | .....            | .....   | .....        | .....       |  |
| 238   | 245   | 56,535  | 33,358  | 2,780                            | 1,387    | 1,274     | 5,421     | 100,000                    | 1                | 78  | .....        | .....       |  |
| 270   | 284   | 24,500  | 27,750  | 2,000                            | 724      | 2,300     | 5,124     | 300,000                    | 6                | 115   | 7            | 115         |  |
| 300   | 300   | 6,000   | 6,200   | 1,500                            | 25       | 100       | 1,625     | 5,000                      | .....            | .....   | .....        | .....       |  |
| 312   | 312   | 22,000  | 22,800  | 1,200                            | 150      | 450       | 1,800     | 18,000                     | 2                | 125   | .....        | .....       |  |
| .....   | 165   | .....   | 28,327  | .....                            | 372      | 880       | 1,252     | 75,000                     | 3                | 210   | 1            | 150         |  |
| 300   | 300   | 183,668   | 168,840   | .....                            | 3,950    | 1,920     | 5,870     | 668,885                    | 5                | 203   | 2            | 208         |  |
| .....   | 75  | .....   | 750   | .....                            | .....    | .....     | .....     | 2,000                      | .....            | .....   | .....        | .....       |  |
| 290   | 290   | 8,400   | 8,400   | 1,320                            | 240      | 432       | 1,992     | 50,000                     | 1                | 87  | .....        | .....       |  |
| 125   | 200   | 12,000  | 27,000  | 900                              | 400      | 612       | 1,912     | 50,000                     | 3                | 90  | .....        | .....       |  |
| 300   | 300   | 17,680  | 17,680  | 2,400                            | 26       | 240       | 2,636     | 20,000                     | 3                | 120   | 1            | 65          |  |
| .....   | 300   | .....   | 6,000   | 600                              | 58       | 80        | 742       | 6,000                      | .....            | .....   | .....        | .....       |  |
| 270   | 240   | 16,250  | 14,750  | 2,400                            | 177      | 520       | 1,067     | 40,000                     | 2                | 120   | 2            | 100         |  |
| .....   | 176   | .....   | 1,597   | .....                            | 218      | .....     | 218       | 20,000                     | 1                | 100   | .....        | .....       |  |
| 313   | 314   | 2,281   | 2,050   | 480                              | 32       | 82        | 594       | 4,000                      | .....            | .....   | 1            | 60          |  |
| 298   | 276   | 50,080  | 45,808  | 6,000                            | 539      | 2,528     | 9,065     | 400,000                    | 2                | 233   | 4            | 124         |  |
| 300   | 315   | 22,000  | 24,000  | .....                            | 876      | 610       | 986       | 50,000                     | 4                | 90  | .....        | .....       |  |
| 306   | 306   | 29,841  | 29,284  | 5,840                            | 188      | 410       | 6,438     | 48,000                     | 1                | 97  | 1            | 275         |  |
| 99  | 303   | 2,887   | 16,904  | 1,650                            | 45       | 141       | 1,837     | 5,600                      | 2                | 85  | .....        | .....       |  |
| 13,000  | 14,412  | \$1,432,238                                     | \$1,510,802                                     | \$57,696                         | \$28,238 | \$44,936  | \$120,805 | \$4,563,585                | 120              | 5,619   | 68           | 2,689       |  |

Table No. 15.—Cont.

## METAL WORKS.

| OFFICE NUMBER | OFFICE HELP                                  |             |              |             |               |             |                | ENGINEERS                    |                           |                            | FOREMEN                      |                           |                            |
|---------------|--|-------------|--------------|-------------|---------------|-------------|----------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|
|               | Average amount paid each month to each class |             |              |             |               |             |                | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |
|               | Book-keepers                                 |             | Clerks       |             | Stenographers |             |                |                              |                           |                            |                              |                           |                            |
|               | No. of Males                                 | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid | No. of Females |                              |                           |                            |                              |                           |                            |
| 1             | 2  | \$100       | 9            | \$ 65       | 1             | \$60        | 1              | \$75                         | 2                         | \$2.25                     | 10                           |                           |                            |
| 2             | 1  | 208         |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 3             | 1  | 40          |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 4             | 1  | 58          | 1            | 41          |               |             |                |                              |                           |                            |                              |                           |                            |
| 5             |  |             |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 6             |  |             |              |             |               |             | 1              | 65                           | 1                         | 1.50                       | 10                           |                           |                            |
| 7             | 1  | 38          |              |             |               |             |                |                              | 1                         | 1.50                       | 10                           |                           |                            |
| 8             | 1  | 125         | 4            | 83          | 2             | 13          |                |                              |                           |                            |                              |                           |                            |
| 9             | 1  | 75          | 1            | 26          |               |             |                |                              | 1                         | 2.25                       | 10                           |                           |                            |
| 10            |  |             | 1            | 41          |               |             | 1              | 41                           |                           |                            |                              |                           |                            |
| 11            | 2  | 85          | 7            | 42          |               |             | 3              | 49                           |                           |                            |                              |                           |                            |
| 12            |  |             |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 13            | 1  | 78          |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 14            | 1  | 50          |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 15            | 1  | 100         |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 16            | 1  | 125         |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 17            | 1  | 75          |              |             |               |             |                |                              | 3                         | 2.30                       | 10                           | 1                         | 2.05                       |
| 18            | 1  | 100         | 1            | 75          |               |             | 1              | 50                           |                           |                            |                              |                           | 10                         |
| 19            | 1  | 100         |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 20            | 1  | 80          |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 21            | 1  | 100         | 2            | 40          | 1             | 28          |                |                              |                           |                            |                              |                           |                            |
| 22            | 2  | 125         | 5            | 47          |               |             |                |                              | 1                         | 3.00                       | 10                           |                           |                            |
| 23            | 1  | 70          | 1            | 30          |               |             |                |                              | 1                         | 2.30                       | 10                           |                           |                            |
| 24            | 2  | 115         | 2            | 80          |               |             |                |                              | 1                         | 2.50                       | 10                           | 2                         | 3.25                       |
| 25            | 1  | 125         | 3            | 46          |               |             |                |                              | 2                         | 3.25                       | 10                           | 1                         | 3.00                       |
| 26            | 1  | 80          |              |             |               |             |                |                              |                           |                            |                              |                           | 10                         |
| 27            | 1  | 80          |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 28            | 1  | 100         |              |             |               |             |                | 2                            | 2.25                      | 10                         | 1                            | 2.75                      | 10                         |
| 29            | 1  | 20          |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 30            |  |             |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 31            | 1  | 75          |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 32            | 1  | 83          |              |             | 1             | 50          |                |                              | 1                         | 1.65                       | 10                           |                           |                            |
| 33            | 1  | 80          | 3            | 80          |               |             | 2              | 40                           |                           |                            |                              |                           |                            |
| 34            |  |             | 2            | 50          |               |             |                |                              |                           |                            |                              |                           |                            |
| 35            |  |             |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 36            | 1  | 75          |              |             |               |             |                |                              | 3                         | 1.50                       | 10                           |                           |                            |
| 37            | 2  | 155         | 4            | 52          | 1             | 70          |                |                              | 1                         | 3.75                       | 10                           |                           |                            |
| 38            |  |             |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 39            | 2  | 100         |              |             |               |             |                |                              |                           |                            | 2                            | 2.75                      | 10                         |
| 40            | 1  | 95          | 2            | 50          |               |             | 1              | 50                           | 1                         | 1.50                       | 9                            | 1                         | 3.63                       |
| 41            | 2  | 83          | 6            | 68          |               |             |                |                              |                           |                            | 19                           | 1.65                      | 10                         |
| 42            |  |             |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 43            | 1  | 50          | 1            | 18          |               |             |                |                              |                           |                            |                              |                           |                            |
| 44            | 1  | 60          | 2            | 60          |               |             |                |                              | 1                         | 2.25                       | 10                           |                           |                            |
| 45            | 1  | 80          | 4            | 65          | 1             | 50          |                |                              |                           |                            |                              |                           |                            |
| 46            |  |             | 2            | 70          |               |             |                |                              |                           |                            |                              |                           |                            |
| 47            | 1  | 84          | 2            | 50          |               |             | 1              | 40                           |                           |                            |                              |                           |                            |
| 48            |  |             | 1            | 28          |               |             |                |                              |                           |                            |                              |                           |                            |
| 49            |  |             |              |             |               |             |                |                              |                           |                            |                              |                           |                            |
| 50            | 3  | 95          | 8            | 65          |               |             | 2              | 43                           | 2                         | 2.00                       | 10                           |                           |                            |
| 51            |  |             | 3            | 80          | 1             | 35          |                |                              | 1                         | 2.50                       | 10                           |                           |                            |
| 52            | 1  | 150         | 1            | 65          |               |             | 1              | 45                           |                           |                            |                              |                           |                            |
| 53            |  |             | 1            | 45          |               |             |                |                              | 2                         | 2.87                       | 10                           |                           |                            |
| Totals        | 48   | \$3,517     | 82           | \$1,504     | 8             | \$111       | 15             | \$563                        | 30                        | \$45.87                    | 190                          | 29                        | \$22.83                    |

Table No. 15.—Cont.

## METAL WORKS.

| PATTERN<br>MAKERS            |                           |                            | MOULDERS                     |                           |                            | MACHINISTS                   |                           |                            | LATHEMEN                     |                           |                            | HELPERS                       |                              |                                |                           |                             |                            |                              |
|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|-------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|
| Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed under 16 years | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |
| 1                            | 3.50                      | 10                         | 42                           | 2.25                      | 10                         | 123                          | 1.85                      | 10                         | 10                           |                           |                            |                               | 37                           |                                | 1.50                      |                             | 10                         |                              |
| 2                            | 3.00                      | 10                         | 4                            | 2.00                      | 10                         | 51                           | 2.00                      | 10                         | 10                           |                           |                            |                               | 30                           |                                | 1.45                      |                             | 10                         |                              |
| 1                            | 2.50                      | 10                         | 4                            | 2.00                      | 10                         | 9                            | 2.50                      | 10                         | 10                           |                           |                            |                               | 3                            |                                | 1.25                      |                             | 10                         |                              |
| 3                            | 2.50                      | 10                         | 17                           | 2.15                      | 10                         | 4                            | 2.35                      | 10                         | 10                           |                           |                            |                               | 6                            |                                | 1.40                      |                             | 10                         |                              |
| 1                            | 2.50                      | 10                         | 1                            | 2.50                      | 10                         | 8                            | 2.40                      | 10                         | 10                           | 22.15                     | 10                         |                               | 37                           |                                | 1.35                      |                             | 10                         |                              |
| 3                            | 2.00                      | 8                          | 32                           | 1.75                      | 10                         | 18                           | 2.60                      | 10                         | 10                           |                           |                            |                               | 8                            |                                | 1.25                      |                             | 10                         |                              |
| 28                           | 2.00                      | 8                          | 8                            | 1.75                      | 10                         | 30                           | 2.40                      | 10                         | 1                            | 2.00                      | 10                         |                               | 23                           |                                | 1.20                      |                             | 8                          |                              |
| 2                            | 2.25                      | 9                          | 8                            | 2.25                      | 9                          | 29                           | 2.15                      | 9                          | 10                           | 1.75                      | 8                          |                               | 32                           | 8                              | 1.25                      |                             | 8                          |                              |
|                              |                           |                            |                              |                           |                            | 8                            | 2.40                      | 7.5                        | 8                            |                           |                            |                               | 1                            |                                | 1.50                      |                             | 9                          | 9                            |
|                              |                           |                            |                              |                           |                            | 19                           | 1.53                      | 10                         | 2                            |                           |                            |                               | 20                           |                                | 1.25                      |                             | 9                          |                              |
| 1                            | 2.70                      | 10                         |                              |                           |                            | 5                            | 2.50                      | 10                         |                              |                           |                            |                               | 6                            |                                | 1.50                      |                             | 10                         |                              |
| 8                            | 2.50                      | 10                         | 20                           | 2.45                      | 10                         | 17                           | 2.90                      | 9                          | 2                            | 1.75                      | 9                          |                               | 37                           |                                | 1.50                      |                             | 9                          |                              |
|                              |                           |                            |                              |                           |                            | 63                           | 1.90                      | 10                         |                              |                           |                            | 2                             | 43                           |                                | 1.35                      |                             | 10                         |                              |
| 3                            | 2.00                      | 10                         | 8                            | 2.00                      | 10                         | 6                            | 2.25                      | 10                         |                              |                           |                            |                               | 10                           | 1                              | 1.00                      |                             | 10                         |                              |
| 4                            | 2.35                      | 10                         | 70                           | 2.10                      | 10                         | 22                           | 2.00                      | 10                         |                              |                           |                            |                               | 15                           |                                | 1.25                      |                             | 10                         |                              |
| 4                            | 2.10                      | 8                          | 17                           | 1.55                      | 8                          | 5                            | 2.55                      | 10                         |                              |                           |                            |                               | 90                           |                                | 1.45                      |                             | 10                         |                              |
| 1                            | 3.00                      | 10                         | 14                           | 2.50                      | 10                         | 25                           | 1.75                      | 8                          |                              |                           |                            |                               | 13                           |                                | 1.38                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 29                           | 2.75                      | 10                         |                              |                           |                            |                               | 18                           |                                | 1.75                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 24                           | 2.90                      | 10                         | 13                           | 5.25                      | 10                         |                               | 149                          |                                | 1.55                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 16                           | 1.50                      | 10                         |                              |                           |                            | 8                             | 1                            |                                | 1.75                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 4                            | 1.60                      | 10                         |                              |                           |                            |                               | 75                           |                                | 1.50                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 90                           | 2.00                      | 10                         |                              |                           |                            |                               | 2                            |                                | 1.25                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 8                            | 2.00                      | 9                          |                              |                           |                            |                               |                              |                                |                           |                             |                            |                              |
| 1                            | 2.75                      | 9                          | 12                           | 2.25                      | 10                         | 1                            | 2.50                      | 10                         | 1                            | 1.75                      | 10                         |                               | 20                           | 2                              | 1.50                      | 1.00                        | 10                         | 9                            |
| 2                            | 2.75                      | 10                         |                              |                           |                            | 4                            | 2.25                      | 10                         |                              |                           |                            |                               | 2                            |                                | 1.75                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 82                           | 2.40                      | 10                         |                              |                           |                            |                               | 3                            |                                | 1.50                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 4                            | 2.25                      | 10                         |                              |                           |                            |                               | 4                            |                                | 1.60                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 2                            | 1.60                      | 8                          |                              |                           |                            | 40                            | 4                            |                                | 1.90                      |                             | 8                          |                              |
|                              |                           |                            |                              |                           |                            | 8                            | 2.30                      | 8                          | 4                            | 1.70                      | 10                         |                               | 39                           |                                | 1.50                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 26                           | 2.50                      | 10                         | 6                            | 1.50                      | 10                         | 8                             | 28                           |                                | 1.00                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 3                            | 2.15                      | 10                         |                              |                           |                            |                               | 3                            |                                | 1.50                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 22                           | 2.25                      | 10                         | 13                           | 2.00                      | 10                         |                               | 5                            |                                | 1.00                      |                             | 10                         |                              |
| 2                            | 2.50                      | 10                         | 34                           | 2.25                      | 10                         | 46                           | 1.95                      | 9                          |                              |                           |                            | 4                             | 30                           |                                | 1.21                      |                             | 9                          |                              |
|                              |                           |                            |                              |                           |                            | 36                           | 2.00                      | 10                         |                              |                           |                            |                               | 242                          |                                | 1.50                      |                             | 10                         |                              |
| 2                            | 2.50                      | 9                          | 4                            | 2.25                      | 8                          | 1                            | 2.25                      | 9                          |                              |                           |                            |                               | 10                           |                                | 1.50                      |                             | 10                         |                              |
| 3                            | 2.35                      | 10                         | 6                            | 2.50                      | 10                         | 9                            | 2.10                      | 10                         | 4                            | 1.75                      | 10                         |                               | 16                           |                                | 1.35                      |                             | 12                         |                              |
| 9                            | 3.00                      | 10                         | 1                            | 2.50                      | 10                         | 18                           | 1.65                      | 10                         |                              |                           |                            |                               | 1                            |                                | 1.75                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 9                            | 2.40                      | 10                         |                              |                           |                            | 7                             | 16                           |                                | 1.00                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 2                            | 1.25                      | 10                         |                              |                           |                            |                               | 18                           | 9                              | 1.75                      | 1.25                        | 10                         |                              |
|                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                               | 8                            |                                | 1.00                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                               | 4                            |                                | 1.25                      |                             | 10                         |                              |
| 5                            | 2.42                      | 10                         | 2                            | 3.00                      | 10                         | 29                           | 2.35                      | 10                         | 8                            | 4.00                      | 10                         | 5                             | 8                            | 41                             | 1.50                      |                             | 83                         |                              |
| 2                            | 2.50                      | 10                         | 6                            | 2.75                      | 10                         | 9                            | 2.05                      | 10                         |                              |                           |                            | 5                             | 13                           |                                | 1.25                      |                             | 10                         |                              |
|                              |                           |                            |                              |                           |                            | 60                           | 1.98                      | 10                         |                              |                           |                            | 16                            | 16                           |                                | 1.60                      |                             | 10                         |                              |
| 3                            | 2.00                      | 10                         | 15                           | 2.25                      | 10                         | 1                            | 2.50                      | 10                         |                              |                           |                            | 11                            | 11                           |                                | 1.50                      |                             | 10                         |                              |
| 71                           | 256.57                    | 221                        | 681                          | 262.85                    | 261                        | 927                          | 266.61                    | 470                        | 78                           | 225.68                    | 107                        | 121                           | 1,106                        | 61                             | 261.91                    | 34.33                       | 450                        | 48                           |



## BOILER WORKS.

The reports received from firms engaged in this industry are tabulated in Table No. 16. These manufacturers generally report last year's operations as having been quite satisfactory and wages were well maintained. Some complaint is made about classification and freight rates being too high on gasoline engines. One operator suggests that a more rigid boiler inspection law would prove beneficial to the business and at the same time lessen the number of fatalities resulting from the use of defective boilers.

The total number of days operated in 1896 exceeded 1895 by 20, and the excess in the amount of wages paid was \$16,495. The average number of persons employed in 1895 was 333; in 1896 the average was 345.

Managers were paid \$97.16 per month; salesmen, \$75; bookkeepers, males \$98.50, females \$20; clerks, \$75; stenographers, males \$65, females \$50.25.

Engineers and firemen were paid \$3 for 10 hours; boilermakers, \$2.62 for 9 1-6 hours; machinists, \$2.14 for 9 4-5 hours; patternmakers, \$2.50 for 10 hours; sheet iron workers, \$2.44 for 9 4-5 hours; laborers, \$1.59 for 9 hours; helpers, \$1.41 for 9 hours.



BOILERS.

Table No. 18—Continued.

| Office Number | OFFICE HELP<br>Average amount paid each month to each class |             |              |             |               |             | ENGINEERS                    |                           |                            | BOILER MAKERS                |                           |                            | MACHINISTS                   |                           |                            | PATTERN MAKERS               |                           |                            | SHEET IRON WORKERS           |                           |                            | LABORERS                     |                           |                            | HELPERS                      |                           |                            |
|---------------|---|-------------|--------------|-------------|---------------|-------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|
|               | Bookkeepers   |             | Clerks       |             | Stenographers |             | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |
|               | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 1.            | 1   | \$125       | 1            | \$125       | 1             | \$41        | 1                            | \$3.00                    | 10                         | 8                            | \$2.50                    | 10                         | 2                            | \$2.00                    | 10                         | 10                           | ...                       | ...                        | 8                            | \$2.50                    | 10                         | 10                           | ...                       | ...                        | 13                           | \$1.50                    | 10                         |
| 2.            | 1   | 100         | 1            | 100         | 1             | 60          | 1                            | 3.00                      | 10                         | 27                           | 2.60                      | 9                          | 4                            | 2.25                      | 9                          | 9                            | ...                       | ...                        | 9                            | 2.55                      | 9                          | 34                           | ...                       | ...                        | 16                           | 1.00                      | 9                          |
| 3.            | 1   | 104         | 1            | 104         | 1             | 60          | 1                            | 3.00                      | 10                         | 60                           | 2.60                      | 10                         | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        |
| 4.            | 1   | 104         | 1            | 104         | 1             | 60          | 1                            | 3.00                      | 10                         | 25                           | 2.75                      | 10                         | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        |
| 5.            | 1   | 104         | 1            | 104         | 1             | 60          | 1                            | 3.00                      | 10                         | 25                           | 2.75                      | 10                         | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        |
| 6.            | 1   | 65          | 1            | 65          | 1             | 50          | 1                            | ...                       | ...                        | 8                            | 2.50                      | 10                         | 15                           | 2.50                      | 10                         | 1                            | ...                       | ...                        | 15                           | 2.75                      | 10                         | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        |
| 7.            | 1   | 65          | 1            | 65          | 1             | 50          | 1                            | ...                       | ...                        | 8                            | 2.50                      | 10                         | 11                           | 2.30                      | 10                         | 1                            | ...                       | ...                        | 1                            | 2.00                      | 10                         | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        |
| 8.            | 1   | 65          | 1            | 65          | 1             | 50          | 1                            | ...                       | ...                        | 8                            | 2.50                      | 10                         | 11                           | 1.65                      | 10                         | 1                            | ...                       | ...                        | 1                            | 2.00                      | 10                         | ...                          | ...                       | ...                        | ...                          | ...                       | ...                        |
| Totals,....   | 4   | \$334       | 1            | \$20        | 5             | \$150       | 2                            | \$6.00                    | 20                         | 23                           | \$15.70                   | 55                         | 44                           | \$10.70                   | 49                         | 1                            | \$2.50                    | 10                         | 24                           | \$12.20                   | 49                         | 34                           | \$1.50                    | 9                          | 105                          | \$3.45                    | 55                         |





## CORNICE AND SHEET METAL WORKS.

An analysis of Table No. 17, which embodies the tabulation of reports from 8 factories, shows that operations in this industry resulted quite satisfactorily last year, and wages were materially increased. No complaints are made about existing conditions or suggestions advanced for the betterment of business.

This list consists of 6 corporations, having 24 male and 4 female members, and 2 private firms with 4 male members, the value of their manufactures being more than twice their total capital.

The total number of days operated during 1895 exceeded 1896 by 22. The average number of persons employed in 1895 was 462, and the average for 1896 was 566. The amount of wages paid last year exceeded 1895 by \$57,844.

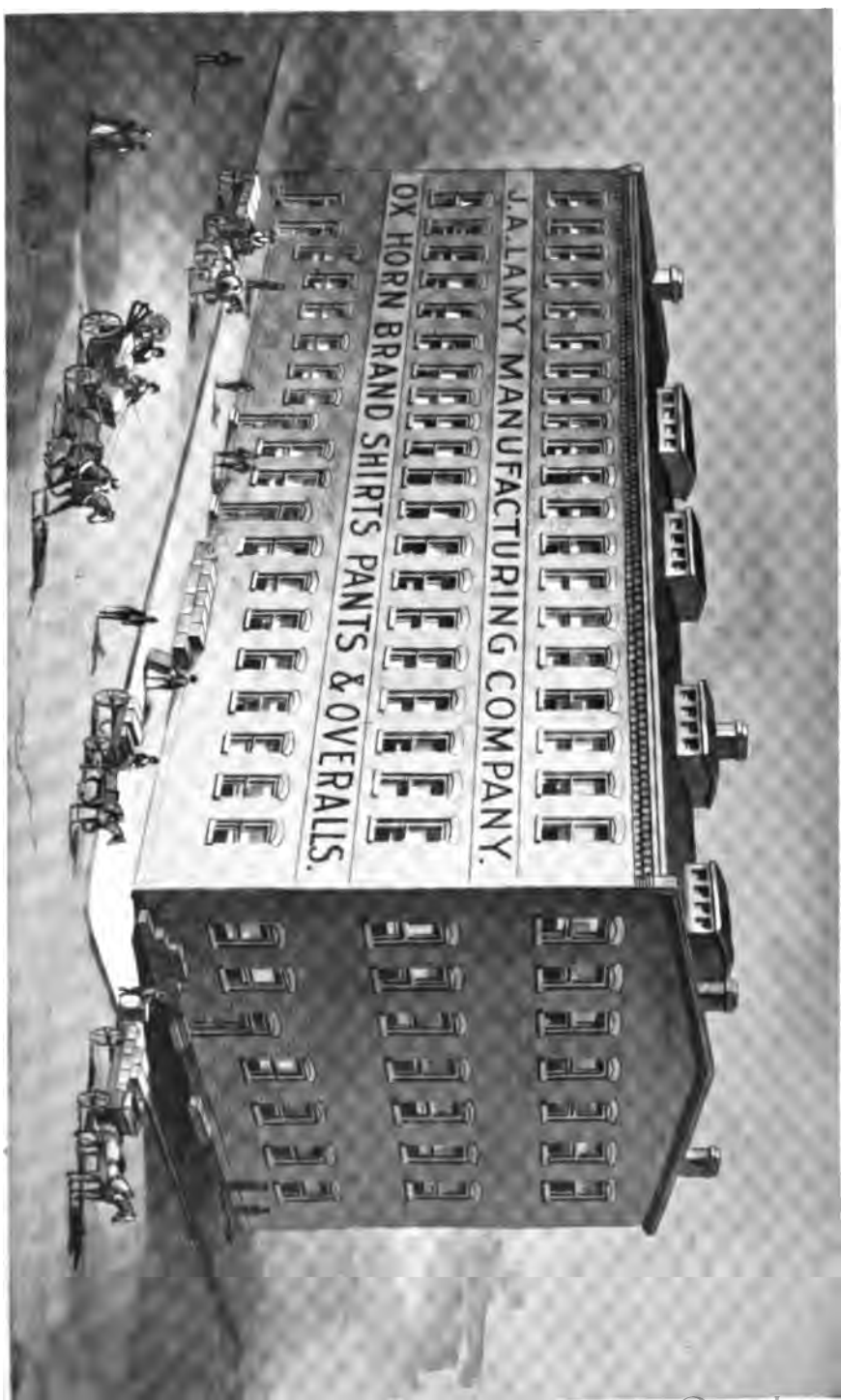
The average monthly salary paid managers was \$97.83; salesmen, \$102.80; bookkeepers, \$78.67; clerks, \$56.33; stenographers, females \$42.

Molders were paid \$3.12 for 10 hours; patternmakers, \$3 for 10 hours; sheet metal workers, \$2.24 for 9 2-7 hours; iron workers, \$1.75 for 10 hours; machinists, \$2.35 for 10 hours; laborers, \$1.55 for 9 2-9 hours; helpers, 91 cents for 9 hours.

CORNICE AND SHEET METAL.

Table No. 17.

| Office Number | Corporation |         |       | Private firms—male members |           |           | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT PAID<br>IN 1896 FOR |          |           |           |      | Capital invested | No. of<br>Males | Amount<br>Paid | OFFICE<br>HELP,<br>Etc. |
|---------------|-------------|---------|-------|----------------------------|-----------|-----------|---|--|--|---|--|--|--|--|--|--|--|----------------------------------|----------|-----------|-----------|------|------------------|-----------------|----------------|-------------------------|
|               | Males       | Females | Total | Rent                       | Taxes     | Insurance |   |  |  |   |  |  |  |  |  |  |  | Total                            |          |           |           |      |                  |                 |                |                         |
|               |             |         |       |                            |           |           |   |  |  |   |  |  |  |  |  |  |  |                                  |          |           |           |      |                  |                 |                |                         |
| 1             | 3           | 3       | 2     | \$200,000                  | \$5,000   | \$5,000   | \$85,000  | \$4,000  | \$3,000  | \$10,000  | 310  | 314  | \$45,000   | \$7,000  | \$1,600  | \$500  | \$1,000  | \$3,000                          | \$8,000  | \$8,000   | 9         | \$75 |                  |                 |                |                         |
| 2             | 3           | 3       | 3     | 18,372                     | 18,372    | 18,372    | 357   | 357  | 357  | 313   | 314  | 11,294   | 11,294   | 6,688  | 6,688  | 1,275  | 723  | 1,069                            | 1,544    | 9,000     | 9,000     | 7    | 127              |                 |                |                         |
| 3             | 8           | 8       | 8     | 376,079                    | 261,409   | 261,409   | 20,000  | 3,530  | 19,320   | 350   | 350  | 946  | 946  | 62,773   | 62,773   | 1,800  | 728  | 1,127                            | 1,449    | 200,000   | 200,000   | 2    | 126              |                 |                |                         |
| 4             | 4           | 2       | 4     | 36,000                     | 12,000    | 10,000    | 500   | 800  | 800  | 800   | 800  | 800  | 800  | 107  | 107  | 85,606   | 730  | 719                              | 8,230    | 10,000    | 10,000    | 2    | 76               |                 |                |                         |
| 5             | 3           | 3       | 3     | 91,148                     | 16,545    | 14,538    | 6,000   | 135  | 75   | 313   | 313  | 314  | 314  | 9,634  | 9,634  | 10,144   | 1,960  | 68                               | 2,548    | 20,000    | 20,000    | 2    | 126              |                 |                |                         |
| 6             | 2           | 1       | 3     | 50,000                     | 5,000     | 5,000     | 30,000  | 1,000  | 2,000  | 2,000   | 300  | 300  | 300  | 7,000  | 7,000  | 8,000  | 1,700  | 50                               | 230      | 1,300     | 1,300     | 1    | 80               |                 |                |                         |
| 7             | 24          | 4       | 28    | \$1,073,616                | \$130,368 | \$93,271  | \$640,832   | \$94,512   | \$52,823   | \$40,830  | 2,438  | 2,438  | 2,438  | \$553,440  | \$311,304  | \$10,669   | \$2,216  | \$83,328                         | \$17,101 | \$515,200 | \$515,200 | 19   | \$587            |                 |                |                         |
| Totals        | 24          | 4       | 28    |                            |           |           |   |  |  |   |  |  |  |  |  |  |  |                                  |          |           |           |      |                  |                 |                |                         |



J. A. LAMY MFG. CO.'S PLANT, SEDALIA, MO



CORNICE AND SHEET METAL.

Table No. 17.—Continued.

| Office Number | OFFICE HELP<br>Average amount paid each month<br>to each class |                |                 |                |                 |                |                   |                    |                                 |                               | MOULDERS                       |                                 |                               | PATTERN<br>WORKERS             |                                 |                               | SHEET<br>IRON<br>WORKERS       |                                 |                               | IRON<br>WORKERS                |                                  |                               | MACHINISTS                     |                                 |                               | LABORERS                       |                                 |                               | HELPERS                        |      |        |      |      |    |
|---------------|--|----------------|-----------------|----------------|-----------------|----------------|-------------------|--------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|------|--------|------|------|----|
|               | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females | Stenog-<br>raphers | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed under<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |      |        |      |      |    |
|               |  |                |                 |                |                 |                |                   |                    |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                  |                               |                                |                                 |                               |                                |                                 |                               |                                |      |        |      |      |    |
|               |  |                |                 |                |                 |                |                   |                    |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                  |                               |                                |                                 |                               |                                |                                 |                               |                                |      |        |      |      |    |
| 1             | 2  | \$125          | 4               | \$100          | 9               | \$63           | 1                 | \$40               | 20                              | \$2.10                        | 10                             | 31                              | \$1.75                        | 10                             | 33                              | \$2.15                        | 10                             | 7                               | \$1.75                        | 10                             | 4                                | \$1.50                        | 10                             | 8                               | \$1.50                        | 10                             | 6                               | \$1.50                        | 10                             | 8    | \$1.50 | 10   |      |    |
| 2             | 2  | 154            | 1               | 100            | 11              | 86             | 1                 | 66                 | 8                               | 2.40                          | 8                              | 140                             | 1.75                          | 10                             | 10                              | 2                             | 2.50                           | 10                              | 40                            | 1.50                           | 10                               | 10                            | 1.45                           | 10                              | 10                            | 1.45                           | 10                              | 10                            | 1.45                           | 10   | 10     | 1.45 | 10   |    |
| 3             | 4  | 1              | 83              | 1              | 50              | 2              | 50                |                    | 12                              | 2.75                          | 10                             | 12                              | 2.75                          | 8                              | 10                              | 2                             | 2.50                           | 10                              | 68                            | 1.45                           | 10                               | 16                            | 1.45                           | 10                              | 8                             | 1.45                           | 10                              | 10                            | 1.45                           | 10   | 10     | 1.45 | 10   |    |
| 4             | 4  | 1              | 83              | 1              | 50              | 2              | 50                |                    | 12                              | 2.75                          | 8                              | 12                              | 2.75                          | 8                              | 10                              | 2                             | 2.50                           | 10                              | 68                            | 1.45                           | 10                               | 16                            | 1.45                           | 10                              | 8                             | 1.45                           | 10                              | 10                            | 1.45                           | 10   | 10     | 1.45 | 10   |    |
| 5             | 4  | 1              | 83              | 1              | 50              | 2              | 50                |                    | 12                              | 2.75                          | 8                              | 12                              | 2.75                          | 8                              | 10                              | 2                             | 2.50                           | 10                              | 68                            | 1.45                           | 10                               | 16                            | 1.45                           | 10                              | 8                             | 1.45                           | 10                              | 10                            | 1.45                           | 10   | 10     | 1.45 | 10   |    |
| 6             | 4  | 1              | 83              | 1              | 50              | 2              | 50                |                    | 12                              | 2.75                          | 8                              | 12                              | 2.75                          | 8                              | 10                              | 2                             | 2.50                           | 10                              | 68                            | 1.45                           | 10                               | 16                            | 1.45                           | 10                              | 8                             | 1.45                           | 10                              | 10                            | 1.45                           | 10   | 10     | 1.45 | 10   |    |
| 7             | 7  | 1              | 87              | 1              | 65              | 1              | 65                | 1                  | 20                              | 2.25                          | 9                              | 4                               | 2.50                          | 10                             | 20                              | 1.50                          | 10                             | 15                              | 2.25                          | 10                             | 8                                | 2                             | 2.50                           | 10                              | 15                            | 2.25                           | 10                              | 8                             | 2                              | 2.50 | 10     | 15   | 2.25 | 10 |
| 8             | 7  | 1              | 87              | 1              | 65              | 1              | 65                | 1                  | 20                              | 2.25                          | 9                              | 4                               | 2.50                          | 10                             | 20                              | 1.50                          | 10                             | 15                              | 2.25                          | 10                             | 8                                | 2                             | 2.50                           | 10                              | 15                            | 2.25                           | 10                              | 8                             | 2                              | 2.50 | 10     | 15   | 2.25 | 10 |
| Totals        | 8  | \$514          | 9               | \$472          | 22              | \$168          | 3                 | \$123              | 96                              | \$15.70                       | 65                             | 131                             | \$5.25                        | 30                             | 52                              | \$9.40                        | 40                             | 115                             | \$6.20                        | 38                             | 82                               | 8                             | \$4.55                         | 46                              | 8                             | \$4.55                         | 46                              |                               |                                |      |        |      |      |    |



## BRASS AND TIN WORKS.

Table No. 18, which embraces the reports from 12 brass and tin manufactories, shows this industry to be in a prosperous condition and the wages of its manual laborers slightly advanced over 1895. The reports, almost without exception, indicate a hopeful feeling and the expectancy of improved business this year, and no suggestions are advanced for betterment.

The average number of persons employed in 1895 was 541; in 1896 the average was 556. The total number of days operated in 1896 exceeded those of 1895 by 327, and the excess in the amount of wages paid was \$4,199.

The clerical force was paid the following average monthly salaries:

Managers, \$102; salesmen, \$94.50; bookkeepers, \$74.44; clerks, \$50.20; stenographers, males \$35; females \$41.

The average daily wages paid engineers and firemen was \$2.50; molders, \$2.19; machinists, \$2.12; polishers, \$2.15; pressmen, \$1.57; laborers, \$1.46 for males and 75 cents for females; helpers, 83 cents for males and females. Engineers worked 11 hours, all other classes of labor 10 hours.



Table No. 18.

## BRASS AND TIN.

| OFFICE<br>NUMBER | Corporation |         |       | Private firms—male members | Total value of all goods manufac-<br>tured during the year 1886 | Value of manufactured goods on<br>hand January 1, 1886 | Value of manufactured goods on<br>hand January 1, 1887 | Total value of all stock or material<br>used during the year 1886 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1886 | Total value of stock or materials<br>on hand January 1, 1886 | Total value of stock or materials<br>on hand January 1, 1887 | Total number of days in operation<br>during 1886 |
|------------------|-------------|---------|-------|----------------------------|---|--|--|---|--|--|--|--|
|                  | Members     |         |       |                            |   |  |  |   |  |  |  |  |
|                  | Males       | Females | Total |                            |   |  |  |   |  |  |  |  |
| 1.....           |             |         |       | 4                          | \$ 45,688   | \$ 2,222   | \$ 2,088   | \$16,242  | \$ 2,188   | \$ 3,686   | \$ 3,536   | 311  |
| 2.....           | 3           |         | 3     | 1                          | 100,408   | 16,117   | 15,910   | 68,004  | 4,988  | 4,967  | 1,347  | 280  |
| 3.....           |             |         |       | 2                          | 76,480  | 680  | 725  | 31,767  | 33,673   | 3,401  | 2,800  | 306  |
| 4.....           |             |         |       | 3                          | 300,000   | 15,000   | 15,000   | 250,000   |  | 30,000   | 31,000   | 300  |
| 5.....           | 9           | 9       | 18    |                            | 21,000  | 2,300  | 3,000  | 11,000  |  | 3,368  | 3,900  | 302  |
| 6.....           | 7           |         | 7     |                            | 110,000   | 19,875   | 17,339   | .....   | 2,513  | 25,807   | 24,244   | 313  |
| 7.....           | 6           |         | 6     |                            | 20,800  | 20,000   | 20,000   | 20,000  | 1,000  | 30,000   | 20,000   | 280  |
| 8.....           | 4           | 1       | 5     |                            | 61,507  | 2,885  | 3,867  | 31,983  | 4,601  | 3,594  | 10,071   | 250  |
| 9.....           | 5           |         | 5     |                            | 15,000  | 1,500  | 2,000  | 6,300   |  | 2,000  | 1,300  | 300  |
| 10.....          | 2           | 1       | 3     |                            | 8,000   | 500  | 500  | .....   | 400  | 200  | 300  | 30   |
| 11.....          |             |         |       | 1                          | 65,000  | 1,000  | 1,250  | 4,000   |  | 500  | 750  | 313  |
| 12.....          | 9           | 1       | 10    |                            | 200,000   | 35,000   | 32,000   | 120,000   | 10,750   | 127,000  | 117,000  | 300  |
| Totals ..        | 45          | 12      | 57    | 8                          | \$1,023,628   | \$116,489  | \$113,119  | \$554,006   | \$56,032   | \$239,173  | \$215,948  | 3,275  |

Table No. 18.—Cont.

## BRASS AND TIN.

| OFFICE<br>NUMBER | OFFICE HELP                                     |                |                 |                |                   |                | ENGINEERS                       |                               |                                | MOULDERS                        |                               |                                | MACHINISTS                      |                               |                                |
|------------------|---|----------------|-----------------|----------------|-------------------|----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|
|                  | Average amount paid each<br>month to each class |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |
|                  | Clerks  |                | Stenographers   |                |                   |                | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |
|                  | No. of<br>Males                                 | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females | Amount<br>Paid |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |
| 1.....           |   |                | 1               | \$35           |                   |                |                                 |                               |                                | 5                               | \$2.00                        | 10                             | 9                               | \$2.00                        | 10                             |
| 2.....           | 2   | \$ 48          |                 |                |                   |                | 1                               | \$2.00                        | 10                             |                                 |                               |                                | 2                               | \$2.50                        | 10                             |
| 3.....           |   |                |                 |                |                   |                |                                 |                               |                                | 12                              | 2.25                          | 10                             | 1                               | 2.00                          | 10                             |
| 4.....           | 1   | 65             |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                | 7                               | 2.00                          | 10                             |
| 5.....           |   |                |                 |                |                   |                |                                 |                               |                                | 17                              | 2.25                          | 10                             | 11                              | 2.00                          | 10                             |
| 6.....           | 10  | 59             |                 |                | 1                 | \$40           |                                 |                               |                                |                                 |                               |                                |                                 |                               | 10                             |
| 7.....           | 1   | 40             |                 |                | 1                 | 40             |                                 |                               |                                |                                 |                               |                                | 3                               | 2.00                          | 10                             |
| 8.....           |   |                |                 |                |                   |                | 2                               | 3.00                          | 12                             |                                 |                               |                                |                                 |                               |                                |
| 9.....           |   |                |                 |                |                   |                |                                 |                               |                                | 3                               | 2.25                          | 10                             | 1                               | 1.50                          | 10                             |
| 10.....          |   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |
| 11.....          |   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |
| 12.....          | 9   | 89             |                 |                | 2                 | 43             |                                 |                               |                                |                                 |                               |                                | 3                               | 2.50                          | 10                             |
| Totals ..        | 23  | \$251          | 1               | \$35           | 4                 | \$123          | 3                               | \$5.00                        | 22                             | 37                              | \$6.75                        | 40                             | 37                              | \$16.95                       | 80                             |

**Table No. 18.—Cont.**

## BRASS AND TIN.

| Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 | TOTAL AMOUNT PAID<br>IN 1886 FOR |         |           |          | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |             |              |             |              |             |
|---|---|---|----------------------------------|---------|-----------|----------|------------------|---|-------------|--------------|-------------|--------------|-------------|
|   |   |   | Rent                             | Taxes   | Insurance | Total    |                  | Managers and Foremen  |             | Salesmen     |             | Book-keepers |             |
|   |   |   |                                  |         |           |          |                  | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid |
| 312   | \$ 15,547                                       | \$ 17,306                                       | \$ 1,800                         | \$181   | \$519     | \$ 2,450 | \$ 10,000        | 2   | \$ 137      | 1            | \$ 150      | 1            | \$ 70       |
| 322   | 27,483  | 24,785  | 1,800                            | 714     | 987       | 3,501    | 100,000          | 2   | 165         | 1            | 80          | 1            | 60          |
| 312   | 15,080  | 15,330  | .....                            | 280     | 483       | 743      | 38,000           | 2   | 150         | .....        | .....       | 1            | 50          |
| 300   | 20,000  | 18,000  | 1,113                            | 948     | 698       | 3,154    | 50,000           | 1   | 91          | 3            | 175         | 1            | 110         |
| 302   | 3,506   | 4,338   | .....                            | .....   | .....     | .....    | 20,000           | 1   | 70          | .....        | .....       | .....        | .....       |
| 314   | 45,985  | 45,732  | 8,330                            | 1,080   | 1,206     | 5,804    | 100,000          | 3   | 189         | .....        | .....       | 1            | 90          |
| 250   | 10,000  | 10,000  | 465                              | .....   | 200       | 665      | 80,000           | 1   | 55          | 3            | 83          | 1            | 100         |
| 280   | 14,808  | 15,417  | .....                            | .....   | .....     | .....    | 100,000          | 2   | 111         | .....        | .....       | 1            | 60          |
| 290   | .....   | .....   | .....                            | .....   | 270       | 270      | 28,000           | 1   | 100         | 1            | 87          | 1            | 100         |
| 338   | 300   | 3,326   | .....                            | .....   | 60        | 360      | 6,120            | 1   | 100         | .....        | .....       | .....        | .....       |
| 314   | 13,000  | 14,500  | 2,200                            | 42      | 900       | 3,142    | 25,000           | 1   | 100         | 1            | 72          | .....        | .....       |
| 300   | 39,400  | 40,500  | .....                            | 2,930   | 8,300     | 6,230    | 250,000          | 4   | 78          | 16           | .....       | 1            | 75          |
| 3,802   | \$205,068                                       | \$209,282                                       | \$11,006                         | \$6,489 | \$8,622   | \$26,119 | \$752,120        | 21  | \$1,224     | 25           | \$567       | 9            | \$715       |

Table No. 18.—Cont.

## BRASS AND TIN.

| POLISHERS                    |                           |                            | PRESSMEN                     |                           |                            | LABORERS                     |                                |                                |                             |                            |                              | HELPERS                       |                              |                                |                             |                             |                            |                              |
|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|--------------------------------|--------------------------------|-----------------------------|----------------------------|------------------------------|-------------------------------|------------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|
| Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Females employed over 16 years | Average daily wages—males      | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed under 10 years | Males employed over 10 years | Females employed over 16 years | Average daily wages—males   | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |
| 10<br>30                     | \$1.75<br>2.00            | 10                         | 18                           | \$1.50                    | 10                         | 43<br>16                     |                                | \$1.50<br>1.75<br>1.50<br>1.75 |                             | 10<br>10<br>10<br>10       |                              |                               | 3                            | 28                             | \$1.25<br>.75<br>.90<br>.90 |                             | 10<br>10<br>10<br>10       |                              |
| 1<br>5                       | 3.06<br>2.00              | 10<br>10                   | 21<br>10                     | 1.75<br>1.00              | 10<br>10                   | 18<br>7                      |                                | 1.50<br>1.40<br>1.50<br>1.25   |                             | 10<br>10<br>10<br>10       |                              | 11<br>10                      | 10                           | 7                              | .75<br>.55                  | \$0.75                      | 10<br>10                   | 10<br>10                     |
| 1                            | 1.50                      | 10                         | 16                           | 2.12                      | 10                         | 4                            |                                |                                |                             | 10                         |                              |                               |                              | 5                              |                             | .75                         |                            | 10                           |
|                              |                           |                            |                              |                           |                            | 11                           |                                | 1.40                           |                             | 10                         |                              |                               |                              |                                |                             |                             |                            |                              |
|                              |                           |                            |                              |                           |                            | 23                           | 4                              | 1.00                           | \$0.75                      | 10                         | 10                           |                               |                              |                                |                             |                             |                            |                              |
| 4                            | 2.00                      | 10                         | 8                            | 1.50                      | 10                         | 10                           |                                | 1.50                           |                             | 10                         |                              | 2                             | 71                           | 9                              | 1.00                        | 1.00                        | 10                         | 10                           |
| 41                           | \$12.91                   | 60                         | 73                           | \$7.87                    | 50                         | 140                          | 4                              | \$16.05                        | \$0.75                      | 110                        | 10                           | 71                            | 84                           | 21                             | \$5.80                      | \$2.50                      | 70                         | 80                           |



## STOVE WORKS.

The reports from stove manufacturers, which are tabulated in Table No. 19, show that the business was fairly satisfactory last year, but complaint is made that trade is dull and prospects not flattering. While the total number of days operated in 1896 exceeded those of the previous year by 198, and the excess in the average number of persons employed was as 703 to 797, there was a slight reduction in wages in some classes of labor, and the amount paid in wages in 1895 exceeded that of 1896 by \$979.

Managers were paid an average monthly salary of \$150.67; salesmen, \$144; bookkeepers, \$76.43; clerks, \$62.50; stenographers, males \$60, females \$42.50.

The average wages paid engineers and firemen was \$2.37 for 10 hours; molders, \$2.28 for 9½ hours; mounters, \$2.23 for 9 3-5 hours; polishers, \$2.40 for 9¼ hours; machinists, \$2.33 for 9 1-6 hours; tinner, \$2.22 for 9¼ hours; laborers, \$1.60 for 9½ hours.

Table No. 19.

STOVES.

| Office number | Corporation |         | TOTAL AMOUNT PAID IN 1886 FOR                              |       |         |       |   |           |   |           |  |           | Capital invested   |         | OFFICE HELP   |       |   |           |   |         |   |             |         |       |           |         |       |       |         |       |
|---------------|-------------|---------|--|-------|---------|-------|---|-----------|---|-----------|--|-----------|--|---------|---|-------|---|-----------|---|---------|---|-------------|---------|-------|-----------|---------|-------|-------|---------|-------|
|               |             |         | Total value of all goods manufactured during the year 1886 |       |         |       | Value of manufactured goods on hand January 1, 1886 |           | Value of manufactured goods on hand January 1, 1887 |           | Total value of all stock or material used during the year 1886 |           | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 |         | Total value of stock or materials on hand January 1, 1886 |       | Total value of stock or materials on hand January 1, 1887 |           | Total number of days in operation during 1886 |         | Total amount paid in wages during the year 1886 |             | Taxes   |       | Insurance |         | Total |       |         |       |
|               | Males       | Females | Total  | Males | Females | Total | Males   | Females   | Total   | Males     | Females  | Total     | Males  | Females | Total   | Males | Females   | Total     | Males   | Females | Total   | Males       | Females | Total | Males     | Females | Total | Males | Females | Total |
| 1             | 8           | 5       | 13   | 8     | 3       | 11    | \$312,000   | \$19,000  | \$20,500  | \$102,000 | \$16,700   | \$54,000  | \$31,500   | 220     | 113   | 333   | \$117,000   | \$121,500 | \$1,740                                       | \$1,480 | \$3,220   | \$300,000   | 9       | 104   | 2         | 106     | 2     | 106   | 108     |       |
| 2             | 23          | 5       | 28   | 8     | 3       | 11    | 45,000  | 18,346    | 33,734  | 150       | 50   | 200       | 300  | 113     | 31  | 144   | 13,574  | 6,451     | 372   | 517     | 889   | 29,000      | 2       | 140   | 2         | 140     | 8     | 125   | 133     |       |
| 3             | 8           | 8       | 16   | 8     | 3       | 11    | 100,000   | 300       | 300   | 150       | 6,433  | 300       | 300  | 300     | 300   | 300   | 86,100  | 85,750    | 1,100   | 300     | 1,400   | 100,000     | 4       | 98    | 82        | 88      | 8     | 88    | 96      |       |
| 4             | 4           | 4       | 8  | 8     | 3       | 11    | 265,000   | 34,000    | 33,400  | 135,150   | 1,000  | 108,000   | 94,900   | 301     | 301   | 299   | 13,507  | 10,774    | 5,500   | 1,000   | 7,500   | 243,300     | 4       | 98    | 82        | 88      | 8     | 88    | 96      |       |
| 5             | 5           | 5       | 10   | 8     | 3       | 11    | 31,917  | 29,011    | 28,035  | 8,484     | 2,000  | 6,500     | 7,586  | 301     | 301   | 189   | 13,070  | 10,774    | 1,165   | 284     | 569   | 1,048       | 100,000 | 3     | 100       | 8       | 100   | 8     | 800     | 808   |
| 6             | 8           | 8       | 16   | 8     | 3       | 11    | 100,000   | 100,000   | 88,750  | 20,000    | 2,000  | 8,000     | 8,000  | 271     | 271   | 243   | 106,533   | 150,800   | 3,862   | 4,471   | 8,333   | 600,000     | 5       | 287   | 14        | 300     | 8     | 800   | 808     |       |
| 7             | 5           | 5       | 10   | 8     | 3       | 11    | 391,338   | 183,317   | 152,245   | 63,110    | 15,168   | 33,885    | 49,193   | 271     | 271   | 243   | 106,533   | 150,800   | 3,862   | 4,471   | 8,333   | 600,000     | 5       | 287   | 14        | 300     | 8     | 800   | 808     |       |
|               | 61          | 5       | 66   | 66    | 5       | 71    | \$1,346,255   | \$238,974 | \$231,904   | \$388,904 | \$41,381   | \$197,635 | \$221,479  | 1,275   | 1,473   | 2,748 | \$419,794   | \$418,306 | \$12,388                                      | \$9,217 | \$21,605  | \$1,272,300 | 28      | 904   | 904       | 904     | 720   | 720   | 1,440   |       |

Table No. 19—Continued

## STOVES.

| OFFICE<br>NUMBER | OFFICE HELP<br>Average amount paid each month to<br>each class |                |                 |                |                 |                |                 |                |                   |                | ENGINEERS                       |                               |                                | MOLDERS                         |                                |                               | MOUNTERS                        |                               |                                | POLISHERS                       |                                |                               | MACHINISTS                      |                               |                                | TINNERS                         |                                |  | LABORERS                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                  | Book-keepers   |                | Clerks          |                | Stenographers   |                |                 |                |                   |                | Males employed over<br>16 years |                               |                                | Males employed over<br>16 years |                                |                               | Males employed over<br>16 years |                               |                                | Males employed over<br>16 years |                                |                               | Males employed over<br>16 years |                               |                                | Males employed over<br>16 years |                                |  | Males employed over<br>16 years |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                  | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females | Amount<br>Paid | Hours of daily labor—<br>males  | Average daily wages—<br>males | Hours of daily labor—<br>males | Average daily wages—<br>males   | Hours of daily labor—<br>males | Average daily wages—<br>males | Hours of daily labor—<br>males  | Average daily wages—<br>males | Hours of daily labor—<br>males | Average daily wages—<br>males   | Hours of daily labor—<br>males | Average daily wages—<br>males | Hours of daily labor—<br>males  | Average daily wages—<br>males | Hours of daily labor—<br>males | Average daily wages—<br>males   | Hours of daily labor—<br>males |  |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                  |  |                |                 |                |                 |                |                 |                |                   |                |                                 |                               |                                |                                 |                                |                               |                                 |                               |                                |                                 |                                |                               |                                 |                               |                                |                                 |                                |  |                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



## PUMP, ELEVATOR AND REFRIGERATOR FACTORIES.

The varied industries of this classification, the reports from which are tabulated in Table No. 20, appear to have largely increased their business of 1896 over that of the preceding year, and the prospects for the present year's operations were reported quite favorable. Some complaint is made of an unreasonable prejudice which is alleged to exist among our people against home-made goods, and the suggestion is advanced that a vigorous agitation in favor of the patronage of home manufacturers would prove beneficial to the State's labor and manufacturing interests.

The increase in the total number of days operated in 1896 over 1895 was 868; the average number of persons employed in 1895 and 1896 was as 39 to 63, and the amount of wages paid during the latter year exceeded the former by \$15,803.

The average monthly salary paid managers was \$99; salesmen, \$85; bookkeepers, males \$87.50, females \$45; stenographers, females \$25.

Engineers and firemen were paid an average daily wage of \$2 for 10 hours; foremen, \$3.50 for 10 hours; machinists, \$2.03 for 9 3-5 hours; tinnern, \$2.50 for 10 hours; laborers, \$1.83 for 9 1-3 hours; helpers, \$1.11 for 9½ hours.



PUMPS, ELEVATORS AND REFRIGERATORS.

Table No. 20.

| OFFICE NUMBER | Corporation |         | Members |       | Private firms—male members |       | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |           |       |         | Capital invested | No. of Males | Amount Paid | OFFICE HELP, Etc. |
|---------------|-------------|---------|---------|-------|----------------------------|-------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|-----------|-------|---------|------------------|--------------|-------------|-------------------|
|               | Males       | Females | Total   | Total | Total                      | Rent  |  |   |   |  |  |   |   |   |   |   |   | Taxes                         | Insurance | Total |         |                  |              |             |                   |
|               |             |         |         |       |                            |       |  |   |   |  |  |   |   |   |   |   |   |                               |           |       |         |                  |              |             |                   |
| 1.            | .....       | .....   | .....   | ..... | 2                          | 2     | \$30,000   | \$48,000  | \$7,000   | \$16,000   | \$300  | \$5,000   | \$6,300   | .....   | 314   | \$1,108   | \$8,000   | .....                         | .....     | ..... | .....   | \$27,000         | 1            | \$60        |                   |
| 2.            | .....       | .....   | .....   | ..... | 2                          | 2     | 14,500   | 1,200   | 2,200   | 6,000  | 225  | 500   | 2,805   | 80  | .....   | 7,000   | 2,607   | .....                         | .....     | ..... | .....   | 500              | 1            | 150         |                   |
| 3.            | 8           | 2       | 6       | ..... | 1                          | 1     | 17,000   | 1,100   | .....   | 4,000  | 1,000  | 1,000   | .....   | 800   | 800   | 9,000   | 1,320   | .....                         | .....     | ..... | 888     | 10,000           | 1            | 100         |                   |
| 4.            | .....       | .....   | .....   | ..... | .....                      | ..... | 8,700  | 1,100   | 900   | .....  | 200  | 1,900   | 2,100   | 824   | 285   | 705   | 990   | .....                         | .....     | ..... | 148     | 1,000            | .....        | .....       |                   |
| 5.            | 8           | 3       | 6       | ..... | .....                      | ..... | 14,000   | 250   | 150   | 6,000  | 450  | 6,500   | 7,200   | 880   | 820   | 7,480   | 6,480   | .....                         | .....     | ..... | 470     | 13,000           | 2            | 90          |                   |
| 6.            | 7           | 1       | 8       | ..... | .....                      | ..... | 12,000   | 1,600   | 2,700   | 6,000  | 280  | 6,500   | 7,200   | 805   | 805   | 6,100   | 5,100   | .....                         | .....     | ..... | .....   | 20,000           | 2            | 85          |                   |
| Totals .....  | 13          | 6       | 19      | ..... | 5                          | 5     | \$31,200   | \$52,150  | \$12,950  | \$38,800   | \$2,455  | \$14,000  | \$18,455  | 944   | 1,812   | \$16,274  | \$32,077  | \$2,100                       | \$501     | \$680 | \$3,521 | \$38,000         | 7            | \$495       |                   |

Table No. 20.—Continued. PUMPS, ELEVATORS AND REFRIGERATORS.

| OFFICE<br>NUMBER | OFFICE HELP<br>Average amount paid each month<br>to each class |  |  |              |  |  |                    |  |                                 |                               | ENGINEERS                      |                                 |                               | FOREMEN                        |                                 |                               | MACHINISTS                     |                                 |                                 | TINNERS                        |                                  |                               | LABORERS                       |                                  |                                  |                                 |                               |                                | HELPERS                          |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                     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|                  | Salesmen   |  |  | Book-keepers |  |  | Stenog-<br>raphers |  | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed under<br>10 years | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males</ |

PUMPS, ELEVATORS AND REFRIGERATORS.

Table No. 20.

| OFFICE NUMBER | Corporation |         | Members |       | Private firms—male members |           | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |       |       |          | Capital invested | No. of Males | Amount Paid |
|---------------|-------------|---------|---------|-------|----------------------------|-----------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|-------|-------|----------|------------------|--------------|-------------|
|               | Males       | Females | Total   | Rent  | Taxes                      | Insurance |  |   |   |  |  |   |   |   |   |   |   | Total                         |       |       |          |                  |              |             |
|               |             |         |         |       |                            |           |  |   |   |  |  |   |   |   |   |   |   |                               |       |       |          |                  |              |             |
| 1.....        | .....       | .....   | .....   | ..... | .....                      | .....     | \$30,000   | \$48,000  | \$7,000   | \$16,000   | \$300  | \$9,000   | \$6,200   | .....   | 314   | .....   | \$8,000   | \$300                         | \$300 | \$500 | \$27,000 | 1                | \$60         |             |
| 2.....        | .....       | .....   | .....   | ..... | .....                      | .....     | 14,500   | 1,200   | 2,200   | 6,000  | 225  | 500   | 2,805   | 80  | 288   | .....   | 9,000   | 2,507                         | 59    | 888   | 10,000   | 1                | 150          |             |
| 3.....        | 3           | 2       | 5       | ..... | .....                      | .....     | 3,700  | .....   | .....   | 4,000  | 1,000  | .....   | .....   | 200   | 300   | .....   | 7,000   | .....                         | 104   | ..... | 12,000   | 1                | 100          |             |
| 4.....        | .....       | .....   | .....   | 1     | .....                      | .....     | 3,700  | 1,100   | 900   | 800  | 200  | 1,900   | 2,100   | 285   | 285   | .....   | 980   | 120                           | 16    | 148   | 1,000    | .....            | 90           |             |
| 5.....        | 3           | 3       | 6       | ..... | .....                      | .....     | 14,000   | 250   | .....   | 6,000  | 450  | 1,000   | .....   | 50  | 880   | .....   | 6,480   | .....                         | 94    | 106   | 13,000   | 2                | 90           |             |
| 6.....        | 7           | 1       | 8       | ..... | .....                      | .....     | 12,000   | 1,800   | 2,700   | 6,000  | 280  | 6,500   | 7,200   | 205   | 205   | .....   | 5,100   | .....                         | 132   | 888   | 20,000   | 2                | 85           |             |
| Totals .....  | 13          | 6       | 19      | 5     | 5                          | 5         | \$31,200   | \$52,150  | \$12,850  | \$38,800   | \$2,455  | \$14,000  | \$18,455  | 944   | 1,812   | \$16,274  | \$38,077  | \$2,160                       | \$501 | \$890 | \$2,521  | 7                | \$495        |             |

Table No. 20.—Continued.

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## CAR FACTORIES.

Reports were received from 10 factories engaged in the manufacture of railway cars and their accessories, and reference to Table No. 21, in which these reports are tabulated, shows this to be one of the largest industries in the State in the volume of business transacted and the amount of wages paid. The firms engaged in this branch of manufacturing generally complain of unfavorable prospects, yet wages were fairly well maintained during the past year. No special recommendations are advanced by these manufacturers, save such legislation as would improve the general business conditions and thus redound to their benefit.

All of the aforesaid firms are incorporated, having 158 male and 47 female members.

The total number of days operated in 1895 exceeded those of 1896 by 62. The average number of persons employed in 1895 was 2,602; in 1896 the average was 2,653. The relative amounts of wages paid in the two years shows a decrease for 1896 of \$101,687.

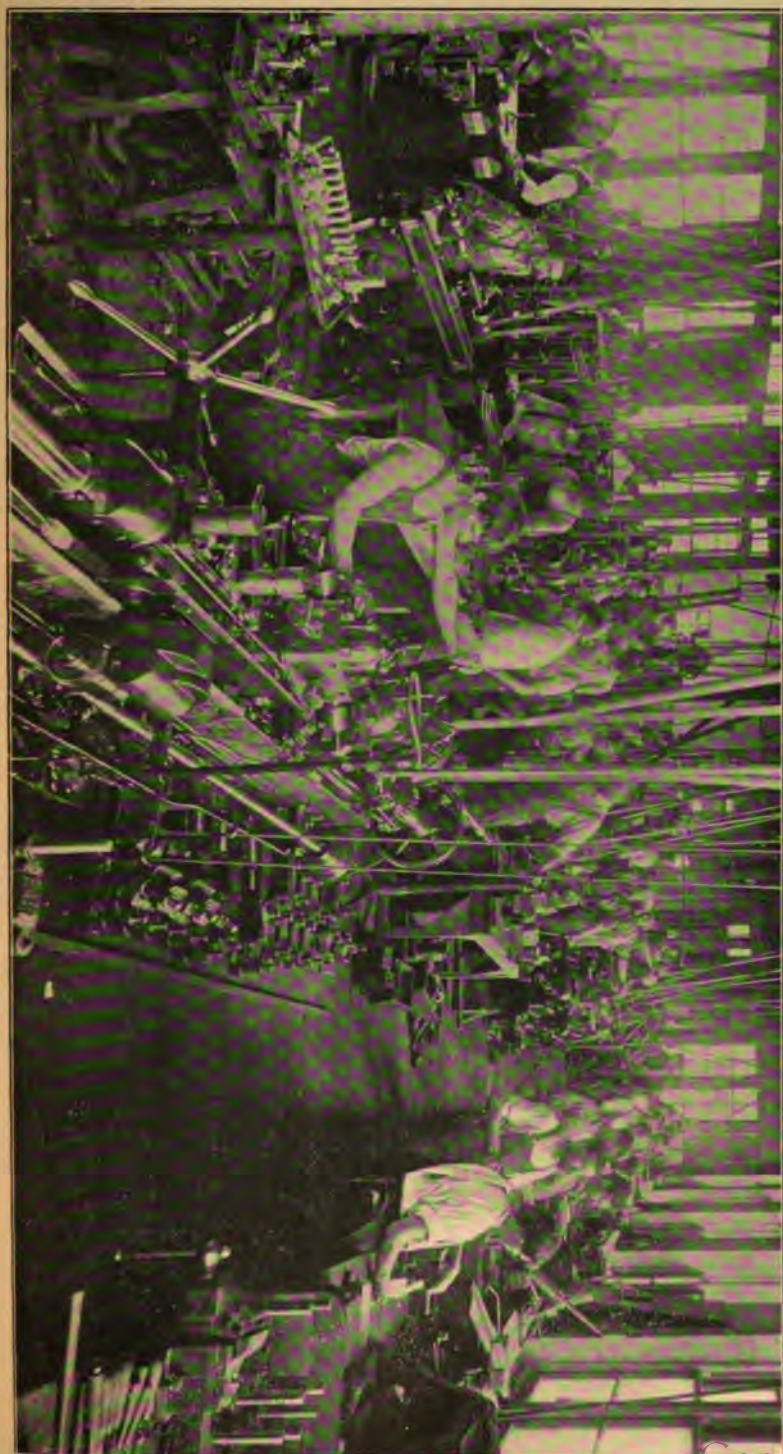
Managers were paid \$207.33 per month; salesmen, \$245.67; bookkeepers, males \$82.50, females \$102.62; clerks, \$59.33; stenographers, males \$76.40, females \$51.20.

The average daily wages paid molders was \$2.37; machinists, \$2.35; cabinetmakers, \$2.19; car builders, \$1.99; painters, \$1.97; timekeepers, \$2.10; laborers, males \$1.42, females \$1.25; all working 10 hours, except timekeepers, who worked 10 2-5 hours.

Table No. 21.

## CAR WORKS

| Office Number | Corporation |         |       | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | Capital invested | TOTAL AMOUNT PAID IN 1896 FOR |           |          |             | No. of Males Paid | Office Help, etc. |
|---------------|-------------|---------|-------|--|---|---|--|--|---|---|---|---|---|------------------|-------------------------------|-----------|----------|-------------|-------------------|-------------------|
|               | Members     |         |       |  |   |   |  |  |   |   |   |   |   |                  | Taxes                         | Insurance | Total    |             |                   |                   |
|               | Males       | Females | Total |  |   |   |  |  |   |   |   |   |   |                  |                               |           |          |             |                   |                   |
|               |             |         |       |  |   |   |  |  |   |   |   |   |   |                  |                               |           |          |             |                   |                   |
| 1.....        | 9           | 1       | 7     | \$425,000  | \$19,850  | \$15,000  | \$292,500  | \$31,000   | \$40,750  | 300   | 300   | \$115,000                                       | \$104,000                                       | \$1,140          | \$553                         | \$1,708   | \$2,401  | \$75,000    | 9                 | \$233             |
| 2.....        | 31          | 21      | 81    | 600,000  | 25,000  | 50,000  | 349,520  | 13,500   | 134,400   | 288   | 288   | 184,945   | 144,175   | 650              | 2,500                         | 6,000     | 9,050    | 500,000     | 7                 | 300               |
| 3.....        | 81          | 42      | 123   | 1,319,250  | .....   | .....   | 639,299  | 25,433   | 20,000  | 300   | 275   | 184,019   | 216,149   | 802              | 1,074                         | 19,171    | 21,047   | 694,625     | 4                 | 479               |
| 4.....        | 8           | .....   | 8     | 1,457,830  | .....   | .....   | 1,120,555  | 6,235  | 22,135  | 300   | 300   | 259,015   | 241,665   | 9,153            | 9,319                         | 11,145    | 22,696   | 1,700,000   | 13                | 185               |
| 5.....        | 2           | 2       | 4     | 12,900   | 500   | 400   | 17,620   | 1,000  | 2,400   | 216   | 216   | 17,815  | 15,255  | .....            | 246                           | 3,031     | 591      | 48,000      | 8                 | 100               |
| 6.....        | 8           | .....   | 8     | 383,537  | .....   | .....   | 110,425  | 37,417   | 43,740  | 270   | 270   | 72,783  | 91,061  | 534              | 1,422                         | 3,031     | 4,987    | 138,302     | 8                 | 168               |
| 7.....        | 9           | 1       | 10    | 425,000  | 20,000  | 15,000  | 282,500  | 81,000   | 40,750  | 300   | 300   | 115,000   | 104,000   | 1,140            | 553                           | 1,708     | 2,401    | 75,000      | 9                 | 233               |
| 8.....        | 9           | .....   | 9     | 125,740  | 2,423   | 518   | 83,820   | 5,487  | 88,750  | 307   | 303   | 41,910  | 47,317  | .....            | 1,046                         | 6,771     | 6,327    | 80,000      | .....             | .....             |
| 9.....        | 9           | 1       | 10    | 386,800  | 22,000  | 38,000  | 215,000  | 11,000   | 76,000  | 300   | 240   | 237,200   | 140,100   | .....            | 1,548                         | 6,900     | 6,448    | 100,000     | 4                 | 100               |
| 10.....       | 9           | .....   | 9     | 383,537  | .....   | .....   | 110,425  | 37,417   | 43,740  | 270   | 270   | 72,783  | 91,061  | 534              | 1,422                         | 3,031     | 4,987    | 138,302     | 8                 | 168               |
| Totals.       | 153         | 47      | 205   | \$5,538,654  | \$89,776  | \$118,918   | \$3,481,664  | \$211,149  | \$472,425   | 2,838   | 2,764   | \$1,300,470                                     | \$1,106,738                                     | \$13,953         | \$19,713                      | \$56,790  | \$90,355 | \$2,327,229 | 57                | \$1,896           |



A MODEL MACHINE SHOP.—BOYER MACHINE CO., ST. LOUIS, MO.









## BOOT AND SHOE FACTORIES.

In this industry reports from 18 factories were tabulated, the results of which are shown in Table No. 22. A few other reports were received, which, on account of being incomplete, could not be used.

With but few exceptions, these manufacturers report their business during the past year as being very satisfactory, with excellent prospects for the present year. Wages were well maintained, being materially advanced in a number of instances. There is quite a general demand from this class of manufacturers for protective legislation against dishonest dealers, and that all creditors be placed upon an equality with reference to their respective claims.

The total number of days operated during 1896 exceeded the previous year by 803. In 1895 the average number of persons employed was 1,544 and in 1896 the average was 1,812, and the excess in the amount of wages paid last year over the preceding year was \$77,821.

In this industry the average monthly salary paid managers was \$117.56 for males and \$55.60 for females; salesmen, \$100.75; book-keepers, \$86.90 for males and \$38.33 for females; clerks, \$88.50 for males and \$30 for females; stenographers, \$60 for males and \$36 for females.

All classes of manual labor worked 10 hours a day and the average daily wages paid was:

Engineers and firemen, \$2; machine operators, males \$1.90, females \$1.03; cutters, males \$1.91, females 97 cents; lasters, \$1.92; finishers, males \$1.93, females 98 cents; packers, males \$1.27, females 92 cents; helpers, males \$1.23, females 95 cents.

Table No. 22.

**BOOTS AND SHOES.**

| OFFICE<br>NUMBER | Corporation | Members | Private firms—male members | Total value of all goods manufac-<br>tured during the year 1886 | Value of manufactured goods on<br>hand January 1, 1886 | Value of manufactured goods on<br>hand January 1, 1887 | Total value of all stock or material<br>used during the year 1886 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1886 | Total value of stock or materials on<br>hand January 1, 1886 | Total value of stock or materials on<br>hand January 1, 1887 | Total number of days in operation<br>during 1886 | Total number of days in operation<br>during 1886 | Total amount paid in wages during<br>the year 1886 | Total amount paid in wages during<br>the year 1886 | TOTAL AMOUNT PAID<br>IN 1886 FOR |         |           |          | Total |
|------------------|-------------|---------|----------------------------|---|--|--|---|--|--|--|--|--|--|--|----------------------------------|---------|-----------|----------|-------|
|                  |             |         |                            |   |  |  |   |  |  |  |  |  |  |  | Rent                             | Taxes   | Insurance | Total    |       |
|                  |             |         |                            |   |  |  |   |  |  |  |  |  |  |  |                                  |         |           |          |       |
| 1                | 5           | 1       | 5                          | \$1,228,851   | \$12,800   | \$27,650   | \$753,806   | \$ 5,000   | \$278,298  | \$142,823  | 977  | 925  | \$20,320   | \$20,320   | \$22,000                         | \$6,900 | \$ 8,500  | \$37,800 |       |
| 2                | 6           | 1       | 7                          | 80,680  | \$12,800   | \$27,650   | 49,000  | 2,500  | 61,500   | \$142,823  | 240  | 310  | 23,000   | 23,000   | 3,000                            | 87      | 724       | 3,821    |       |
| 3                | 20          | 20      | 40                         | 715,000   | 10,000   | 12,500   | 19,000  | 1,000  | 46,000   | \$142,823  | 310  | 310  | 64,801   | 64,801   | 1,000                            | 1,014   | 900       | 4,414    |       |
| 4                | 4           | 4       | 8                          | 25,000  | 2,500  | 2,500  | 128,863   | 1,884  | 53,276   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 1,000                            | 24      | 360       | 1,574    |       |
| 5                | 5           | 5       | 10                         | 195,000   | 20,000   | 32,000   | 127,000   | 8,500  | 17,000   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 6                | 5           | 5       | 10                         | 225,000   | 16,000   | 18,000   | 120,000   | 8,500  | 17,000   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 7                | 5           | 5       | 10                         | 60,000  | 1,000  | 1,000  | 34,382  | 850  | 22,500   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 8                | 6           | 6       | 12                         | 162,813   | 2,872  | 8,253  | 84,382  | 850  | 22,500   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 9                | 6           | 6       | 12                         | 35,000  | 2,000  | 8,500  | 13,000  | 850  | 22,500   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 10               | 6           | 6       | 12                         | 24,200  | 1,140  | 1,050  | 12,065  | 850  | 22,500   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 11               | 6           | 6       | 12                         | 30,000  | 20,000   | 8,500  | 20,000  | 80   | 4,800  | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 12               | 6           | 6       | 12                         | 30,000  | 27,000   | 20,000   | 55,000  | 700  | 6,000  | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 13               | 14          | 15      | 29                         | 80,000  | 27,000   | 20,000   | 12,161  | 700  | 6,000  | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 14               | 8           | 8       | 16                         | 21,888  | 872  | 858  | 12,161  | 700  | 6,000  | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 15               | 8           | 8       | 16                         | 196,408   | 2,000  | 2,000  | 90,000  | 14,680   | 5,000  | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 16               | 8           | 8       | 16                         | 50,000  | 500  | 500  | 30,000  | 8,800  | 4,000  | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 17               | 8           | 8       | 16                         | 254,800   | 47,671   | 46,724   | 197,000   | 8,800  | 34,885   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| 18               | 13          | 13      | 26                         | 15,000  | 800  | 800  | 8,000   | 400  | 24,500   | \$142,823  | 285  | 285  | 52,371   | 52,371   | 4,000                            | 120     | 900       | 1,275    |       |
| Totals           | 94          | 2       | 96                         | 15,83,197,158   | \$175,455  | \$173,640  | \$1,871,808   | \$50,741   | \$274,807  | \$456,772  | 4,064  | 4,887  | \$727,305  | \$605,216  | \$53,558                         | \$9,938 | \$17,858  | \$96,384 |       |

Table No. 22.—Continued. BOOTS AND SHOES.

| OFFICE NUMBER | OFFICE HELP<br>Amount paid each month to each class |             |                |             |              |             |              |             |              |             |               |             |                              |             | ENGINEERS                    |                           |                            |                                | MACHINE OPERATORS              |                              |                              |                           |                              |                                | CUTTERS                      |                              |                                |                           |                           |         |
|---------------|---|-------------|----------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|------------------------------|-------------|------------------------------|---------------------------|----------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|---------------------------|------------------------------|--------------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|---------------------------|---------|
|               | Managers and Foremen                                |             |                |             | Salesmen     |             | Book-keepers |             | Clerks       |             | Stenographers |             | Males employed over 16 years |             | Average daily wages—males    |                           | Hours of daily labor—males |                                | Females employed over 16 years |                              | Average daily wages—females  |                           | Hours of daily labor—females |                                | Males employed over 16 years |                              | Females employed over 16 years |                           | Average daily wages—males |         |
|               | No. of Males  | Amount Paid | No. of Females | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid | No. of Females               | Amount Paid | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Females employed over 16 years | Average daily wages—females    | Hours of daily labor—females | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males   | Females employed over 16 years | Average daily wages—females  | Hours of daily labor—females | Males employed over 16 years   | Average daily wages—males |                           |         |
| 1             | 7   | \$ 300      | ...            | ...         | 58           | \$ 150      | 4375         | 50          | \$80         | 4           | \$80          | 1           | \$25                         | 14          | \$2.95                       | 10                        | ...                        | 8                              | \$1.00                         | 10                           | 127                          | \$2.10                    | ...                          | ...                            | 2                            | ...                          | ...                            | ...                       | \$23.60                   |         |
| 2             | 8   | 125         | 2              | \$80        | 25           | 65          | 70           | 7           | 45           | ...         | ...           | 1           | 60                           | 10          | 2.00                         | 10                        | ...                        | 10                             | ...                            | 9                            | 85                           | 1.87                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 1.87                      |         |
| 3             | 8   | 250         | 2              | 100         | 2            | 90          | 1            | 60          | ...          | ...         | ...           | ...         | 1                            | 50          | 1                            | \$2.00                    | 10                         | ...                            | ...                            | ...                          | ...                          | 1.50                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.50                      |         |
| 4             | 4   | 20,000      | ...            | ...         | 5            | 87          | ...          | ...         | ...          | ...         | ...           | ...         | ...                          | ...         | 57                           | 2.45                      | ...                        | ...                            | ...                            | ...                          | ...                          | 2.25                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.25                      |         |
| 5             | 4   | 40,000      | ...            | ...         | 6            | 80          | ...          | ...         | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 1.45                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 1.45                      |         |
| 6             | 2   | 100         | 1              | 67          | 4            | 80          | 2            | 78          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 7             | 11  | 122         | 1              | 60          | 2            | 50          | 1            | 65          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 8             | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 9             | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 10            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 11            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 12            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 13            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 14            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 15            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 16            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 17            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| 18            | 11  | 125         | 1              | 60          | 2            | 64          | 1            | 75          | ...          | ...         | ...           | ...         | ...                          | ...         | ...                          | ...                       | ...                        | ...                            | ...                            | ...                          | ...                          | 2.35                      | ...                          | ...                            | ...                          | ...                          | ...                            | ...                       | 2.35                      |         |
| Totals        | 49  | \$1,861     | 6,273          | \$1,208     | 141          | \$1,208     | 17,365       | 61,177      | 4            | \$80        | 5,130         | 8           | \$6.00                       | 30          | \$2.50                       | 50                        | \$7.20                     | 68                             | \$7.20                         | 312                          | 6                            | \$23.60                   | 88                           | 3                              | \$3.36                       | ...                          | ...                            | ...                       | ...                       | \$23.60 |

Table No. 22.—Continued.

## BOOTS AND SHOES.

| OFFICE NUMBER | CUTTERS                       |                                |                                  |                                 | LASTERS                       |                                |                                  |                                 | FINISHERS                     |                                |                                  |                                 | PACKERS                       |                                |                                  |                                 | HELPERS                       |                                |                                  |                                 |
|---------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|
|               | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years |
| 1             | ...                           | 10                             | ...                              | 152                             | 28.00                         | 10                             | ...                              | 118                             | 22.85                         | 10                             | ...                              | 15                              | 32.00                         | 10                             | 10                               | 91                              | 76                            | 10                             | 280                              | 10                              |
| 2             | ...                           | 9                              | ...                              | 50                              | 2.00                          | 9                              | ...                              | 1                               | 1.50                          | 9                              | ...                              | 1                               | 1.75                          | 9                              | 10                               | 4                               | ...                           | ...                            | ...                              | 8                               |
| 3             | ...                           | 10                             | ...                              | ...                             | 1.87                          | 10                             | ...                              | 23                              | 1.95                          | 10                             | ...                              | 8                               | 1.35                          | 10                             | 10                               | 3                               | ...                           | ...                            | ...                              | 60                              |
| 4             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | 5                               |
| 5             | ...                           | 10                             | ...                              | 13                              | 1.50                          | 10                             | ...                              | 13                              | 1.00                          | 10                             | ...                              | 6                               | 1.55                          | 10                             | 10                               | 2                               | ...                           | ...                            | ...                              | 16                              |
| 6             | ...                           | 10                             | ...                              | ...                             | 1.70                          | 10                             | ...                              | 11                              | 1.46                          | 10                             | ...                              | 6                               | .60                           | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 40                              |
| 7             | ...                           | 10                             | ...                              | 68                              | 2.33                          | 10                             | ...                              | ...                             | 2.00                          | 10                             | ...                              | 1                               | .60                           | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 15                              |
| 8             | ...                           | 10                             | ...                              | ...                             | 2.25                          | 10                             | ...                              | 25                              | 2.00                          | 10                             | ...                              | 1                               | .60                           | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 8                               |
| 9             | ...                           | 10                             | ...                              | 11                              | 2.50                          | 10                             | ...                              | 8                               | 2.25                          | 10                             | ...                              | ...                             | 1.03                          | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 6                               |
| 10            | ...                           | 10                             | ...                              | 5                               | 1.75                          | 10                             | ...                              | 1                               | 2.00                          | 10                             | ...                              | 3                               | 1.03                          | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 3                               |
| 11            | ...                           | 10                             | ...                              | 6                               | 2.00                          | 10                             | ...                              | 16                              | 1.50                          | 10                             | ...                              | ...                             | 1.00                          | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 6                               |
| 12            | ...                           | 10                             | ...                              | 13                              | 1.08                          | 10                             | ...                              | 1                               | 3.00                          | 10                             | ...                              | 1                               | 1.00                          | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 7                               |
| 13            | ...                           | 10                             | ...                              | ...                             | ...                           | 10                             | ...                              | 12                              | 2.00                          | 10                             | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             |
| 14            | ...                           | 10                             | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             |
| 15            | ...                           | 10                             | ...                              | 6                               | 1.50                          | 10                             | ...                              | 3                               | 1.35                          | 10                             | ...                              | 12                              | 1.75                          | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 32                              |
| 16            | ...                           | 10                             | ...                              | ...                             | 2.25                          | 10                             | ...                              | 26                              | 1.85                          | 10                             | ...                              | 7                               | 2.00                          | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 7                               |
| 17            | ...                           | 10                             | ...                              | 12                              | ...                           | 10                             | ...                              | ...                             | ...                           | 10                             | ...                              | 4                               | 1.50                          | 10                             | 10                               | ...                             | ...                           | ...                            | ...                              | 46                              |
| 18            | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             | ...                           | ...                            | ...                              | ...                             |
| Totals        | \$3.58                        | 149                            | 80                               | 387                             | \$23.03                       | 119                            | 40                               | 398                             | \$35.10                       | 129                            | 60                               | 45                              | \$12.65                       | 99                             | 60                               | 107                             | 119                           | 250                            | 470                              | \$8.68                          |
|               |                               |                                |                                  |                                 |                               |                                |                                  |                                 | \$3.92                        |                                |                                  |                                 | \$5.56                        |                                |                                  |                                 | \$8.68                        |                                | \$0.54                           | 70                              |
|               |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  |                                 |                               |                                |                                  | 99                              |

## SADDLERY AND LEATHER MANUFACTURES.

The results of the operations in this industry during the past year, shown by Table No. 23, were fairly satisfactory, although prospects for the present year's business were not generally considered very promising. No reduction in wages was reported and a slight advance is noted in some instances.

A consensus of the answers to Question No. 14 indicates that this industry has suffered materially in recent years through the substitution of electric and cable motive power and the bicycle for man's best friend, the horse. All agree that the success of this business depends directly upon the prosperity of the farmer. Some complaint is made about the disposition of the large department stores to crowd small manufacturers out of business. A few manufacturers think that a higher protective tariff would help their business. The opinion of one of the most extensive operators in the manufacture of leather is given herewith. He says: "Trade at present is good, the direct result of good crop prospects throughout the country, farmers being the largest buyers of this class of merchandise. The hide tariff is a direct injury to the leather industry. It is absolutely no help to the farmer, but a decided gain to the large packers, who control the cattle as well as the beef business. Since the hide tariff was enacted cattle have not advanced in price, but, on the contrary, declined. The farmers, being the largest consumers of leather, consequently pay the largest tribute to the packers by increased prices of leather goods. Help the farmer wherever possible, and you will help our business."

The average number of persons employed in this industry during 1895 was 460; in 1896 the average was 468. The total number of days operated last year exceeded the previous year by 460, and the excess in the amount of wages paid was \$8,276.

Managers were paid an average monthly salary of \$127.75 for males and \$18 for females; salesmen, \$102; bookkeepers, \$90.57; clerks, \$63.67; stenographers, \$30 for males and \$37.67 for females.

The average wages paid engineers and firemen was \$2.15 for 10 hours; saddlers, males \$1.63 for 9 4-9 hours, females 85 cents for 9 hours; harnessmakers, males \$1.67 for 9½ hours, females 50 cents for 10 hours; collarmakers, \$1.66 for 9 hours; tanners, \$2.02 for 9¾ hours; curriers, \$1.79 for 9 3-5 hours; general help, males \$1.83 for 10 hours, females 79 cents for 9 hours.



Table No. 23. SADDLES, HARNESS AND LEATHER.

| OFFICE NUMBER |         |         |                            |       |  |   |   |  |  |   |   |   |   |   |   |  |  |
|---------------|---------|---------|----------------------------|-------|--|---|---|--|--|---|---|---|---|---|---|--|--|
| Corporation   | Members |         | Private firms—male members |       | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 |  |  |
|               | Males   | Females | Total                      | Total |  |   |   |  |  |   |   |   |   |   |   |  |  |
| 1.            | 4       | 2       | 2                          | 2     | \$ 45,000  | \$10,000  | \$ 8,000  | \$ 30,500  | .....  | \$15,000  | \$12,000  | 278   | 250   | \$6,000   | \$6,000   |  |  |
| 2.            | .....   | .....   | .....                      | ..... | 60,000   | 23,581  | 22,790  | 80,000   | .....  | 6,700   | 5,450   | 300   | 300   | 16,958  | 16,972  |  |  |
| 3.            | .....   | .....   | .....                      | ..... | 4,000  | 5,000   | 3,000   | 8,000  | \$ 75  | 6,000   | 7,000   | 280   | 280   | 2,000   | 2,000   |  |  |
| 4.            | .....   | .....   | .....                      | ..... | 179,888  | .....   | .....   | 111,117  | .....  | 16,000  | .....   | 313   | 313   | 41,497  | 41,510  |  |  |
| 5.            | .....   | .....   | .....                      | ..... | 180,000  | 27,000  | 20,000  | 100,000  | 8,000  | 800   | .....   | 800   | 800   | 28,500  | 28,500  |  |  |
| 6.            | .....   | .....   | .....                      | ..... | 34,000   | 17,000  | 20,000  | 20,000   | .....  | 800   | .....   | 90  | 800   | 1,000   | 1,000   |  |  |
| 7.            | .....   | .....   | .....                      | ..... | 2,500  | 2,000   | 1,500   | 1,200  | .....  | 2,200   | .....   | 313   | 314   | 850   | 850   |  |  |
| 8.            | .....   | .....   | .....                      | ..... | 1,000  | 800   | 600   | 1,000  | 10   | .....   | .....   | 365   | 365   | 300   | 300   |  |  |
| 9.            | .....   | .....   | .....                      | ..... | 110,000  | 25,000  | 35,600  | 43,000   | 1,700  | 52,929  | 44,978  | 800   | 800   | 18,894  | 18,894  |  |  |
| 10.           | .....   | .....   | .....                      | ..... | 78,245   | .....   | .....   | .....  | .....  | 85,000  | 40,000  | 305   | 305   | 26,050  | 26,050  |  |  |
| 11.           | .....   | .....   | .....                      | ..... | 25,708   | 8,650   | 9,325   | 19,278   | 2,550  | 84,008  | 86,494  | 307   | 307   | 9,168   | 9,168   |  |  |
| 12.           | .....   | .....   | .....                      | ..... | 86,000   | 12,000  | 15,000  | 71,357   | 2,000  | 8,000   | .....   | 800   | 800   | 28,000  | 28,000  |  |  |
| 13.           | .....   | .....   | .....                      | ..... | 300,000  | 10,000  | 12,000  | 200,000  | 3,000  | 10,000  | 12,000  | 800   | 800   | 45,000  | 45,000  |  |  |
| 14.           | .....   | .....   | .....                      | ..... | 18,000   | 12,000  | 12,882  | 15,000   | .....  | 16,841  | .....   | 313   | 314   | 6,284   | 6,284   |  |  |
| 15.           | .....   | .....   | .....                      | ..... | 100,000  | 45,000  | 48,000  | 41,000   | 1,000  | 4,000   | 5,100   | 250   | 270   | 16,000  | 16,500  |  |  |
| 16.           | .....   | .....   | .....                      | ..... | 56,062   | 86,600  | 51,600  | 58,200   | 1,898  | 84,600  | 49,600  | 290   | 290   | 9,500   | 11,200  |  |  |
| 17.           | .....   | .....   | .....                      | ..... | 296,618  | 30,000  | 30,000  | 88,578   | 14,800   | 30,000  | 23,000  | 294   | 296   | 57,148  | 57,148  |  |  |
| 18.           | .....   | .....   | .....                      | ..... | 45,000   | 55,000  | 50,000  | 20,000   | 8,000  | 8,000   | 7,800   | 286   | 280   | 6,750   | 6,750   |  |  |
| 19.           | .....   | .....   | .....                      | ..... | 16,888   | 6,000   | 5,000   | 180,000  | 20,000   | 45,000  | 45,000  | 290   | 290   | 17,300  | 17,300  |  |  |
| 20.           | .....   | .....   | .....                      | ..... | 14,651   | .....   | .....   | .....  | .....  | 2,938   | .....   | 290   | 290   | 2,536   | 2,536   |  |  |
| 21.           | .....   | .....   | .....                      | ..... | 66,884   | 12,154  | 10,068  | 18,327   | 12,650   | 1,005   | 970   | 800   | 800   | 15,908  | 11,077  |  |  |
| 22.           | .....   | .....   | .....                      | ..... | 400,000  | 80,000  | 88,000  | 330,000  | .....  | 60,000  | 60,000  | 275   | 275   | 60,000  | 60,000  |  |  |
| 23.           | .....   | .....   | .....                      | ..... | 90,000   | 9,000   | 5,000   | 18,000   | 800  | 10,000  | .....   | 310   | 310   | 6,500   | 6,500   |  |  |
| 24.           | .....   | .....   | .....                      | ..... | 12,000   | 1,000   | 1,000   | 8,500  | .....  | 800   | .....   | 310   | 310   | 4,400   | 4,400   |  |  |
| Totals        | 81      | 23      | 104                        | 19    | \$231,570  | \$496,815   | \$438,878   | \$1,942,552  | \$64,341   | \$505,688   | \$445,929   | 9,985   | 7,395   | \$438,016                                       | \$441,292                                       |  |  |

Table No. 23—Continued.

## SADDLES, HARNESS AND LEATHER.

| OFFICE NUMBER | TOTAL AMOUNT PAID IN 1906 FOR                |         |           |          | Capital invested | OFFICE HELP          |              |             |              |             |              |             |               |             |                              | ENGINEERS                 |                            |                |             |
|---------------|--|---------|-----------|----------|------------------|----------------------|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|------------------------------|---------------------------|----------------------------|----------------|-------------|
|               | Average amount paid each month to each class |         |           |          |                  | Managers and Foremen | Salesmen     |             | Book-keepers |             | Clerks       |             | Stenographers |             | Males employed over 16 years | Average daily wages—Males | Hours of daily labor—Males |                |             |
|               | Rent   | Taxes   | Insurance | Total    |                  |                      | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid |                              |                           |                            | No. of Females | Amount Paid |
| 1             | \$3,000                                      | \$350   | \$ 300    | \$ 3,650 | \$40,000         | 1                    | \$ 45        | 2           | \$100        | 1           | \$ 75        | 2           | \$38          |             |                              |                           |                            |                |             |
| 2             | 1,000  | 100     | 150       | 1,250    | 50,000           | 3                    | 150          | 2           | 108          | 2           | 109          | 12          | 70            |             |                              |                           |                            |                |             |
| 3             | 1,700  |         |           | 1,700    | 8,000            |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 4             | 1,800  | 100     | 300       | 2,400    | 150,000          |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 5             | 1,000  | 100     | 300       | 1,400    | 50,000           | 1                    | 133          |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 6             | 300  | 26      | 50        | 375      | 25,000           |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 7             | 180  | 40      | 26        | 246      | 2,000            |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 8             | 200  | 18      | 8         | 226      | 1,500            |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 9             | 2,400  | 173     | 779       | 3,352    | 75,000           | 3                    | 155          | 5           | 95           | 1           | 100          | 8           | 50            |             |                              |                           |                            |                |             |
| 10            | 8,300  | 300     | 650       | 9,650    | 125,000          |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 11            | 11   | 173     | 381       | 665      | 40,000           | 2                    | 124          | 2           | 108          | 1           | 83           | 1           | 15            |             |                              |                           |                            |                |             |
| 12            | 450  | 2,500   | 2,500     | 5,450    | 50,000           | 2                    | 125          | 2           | 75           | 1           | 75           | 1           | 90            |             |                              |                           |                            |                |             |
| 13            | 1,200  | 200     | 212       | 1,612    | 800,000          | 2                    | 125          | 1           | 125          |             |              | 2           | 70            |             |                              |                           |                            |                |             |
| 14            | 15   | 500     | 700       | 1,205    | 10,000           | 2                    | 125          | 1           | 125          | 1           | 75           |             |               |             |                              |                           |                            |                |             |
| 15            | 240  | 337     | 451       | 1,028    | 170,000          | 1                    | 55           | 1           | 30           | 1           | 90           | 1           | 150           |             |                              |                           |                            |                |             |
| 16            | 1,650  | 1,055   | 2,027     | 4,732    | 300,000          | 5                    | 277          | 3           | 200          | 2           | 85           | 8           | 38            |             |                              |                           |                            |                |             |
| 17            | 4,025  | 237     | 618       | 5,470    | 75,000           | 2                    | 168          | 2           | 75           | 2           | 85           |             |               |             |                              |                           |                            |                |             |
| 18            | 186  | 100     | 235       | 521      | 25,000           | 2                    | 168          |             |              | 1           | 75           |             |               |             |                              |                           |                            |                |             |
| 19            | 347  | 800     | 1,147     | 2,294    | 75,000           | 1                    | 69           |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 20            | 216  | 18      | 30        | 264      | 45,000           | 1                    | 69           |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 21            | 300  | 300     | 700       | 1,300    | 30,000           | 4                    | 75           | 15          | 100          | 1           | 88           | 1           | 45            |             |                              |                           |                            |                |             |
| 22            | 900  | 50      | 125       | 1,075    | 12,000           | 2                    | 100          | 1           | 100          | 1           | 60           |             |               |             |                              |                           |                            |                |             |
| 23            | 480  | 40      | 94        | 614      | 30,000           | 1                    | 150          |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 24            |  |         |           |          |                  |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| 25            |  |         |           |          |                  |                      |              |             |              |             |              |             |               |             |                              |                           |                            |                |             |
| Totals        | \$23,011                                     | \$5,058 | \$11,682  | \$39,861 | \$1,969,500      | 38                   | \$2,044      | 51          | \$1,326      | 16          | \$1,298      | 38          | \$673         | 1           | \$30                         | 6                         | \$113                      | 4              | \$6.45      |

Totals.

Table No. 23—Continued.

## SADDLES, HARNESS AND LEATHER.

| OFFICE NUMBER | SADDLERS                     |                           |                            | HARNESS MAKERS               |                           |                            | COLLAR MAKERS                |                           |                            | TANNERS                      |                           |                            | CURRIERS                     |                           |                            | GENERAL HELP                 |                           |                            |
|---------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|
|               | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |
| 1             | 8                            | \$1.50                    | 8                          | 7                            | \$1.50                    | 8                          |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 2             | 15                           | 1.66                      | 10                         | 10                           | 1.80                      | 10                         |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 3             | 2                            | 1.75                      | 10                         | 2                            | 1.85                      | 10                         |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 4             | 4                            | 1.75                      | 10                         | 2                            | 1.85                      | 10                         |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 5             | 25                           | 1.95                      | 10                         | 25                           | 2.05                      | 10                         |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 6             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 7             |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 8             | 1                            | 1.00                      | 10                         | 1                            | 1.15                      | 10                         | 25                           | \$1.75                    | 8                          |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 9             | 8                            | 1.50                      | 8                          | 23                           | 1.50                      | 8                          |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 10            | 1                            | 2.00                      | 10                         | 16                           | 1.50                      | 10                         |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 11            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 12            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 13            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 14            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 15            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 16            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 17            | 7                            | 1.75                      | 10                         | 19                           | 1.50                      | 10                         | 12                           | 1.50                      | 10                         |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 18            |                              |                           |                            |                              |                           |                            | 17                           | 2.00                      | 9                          |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 19            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 20            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 21            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 22            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 23            | 21                           | 1.57                      | 9                          | 53                           | 1.38                      | 9                          | 88                           | 1.41                      | 9                          |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 24            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 25            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| 26            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |                              |                           |                            |
| Total         | 55                           | \$14.66                   | 56                         | 186                          | \$27.06                   | 124                        | 92                           | \$6.96                    | 76                         | 123                          | \$6.10                    | 79                         | 55                           | \$6.95                    | 48                         | 287                          | \$16.45                   | 89                         |

## PACKING HOUSES.

All of the reports on this industry received are tabulated in Table No. 24. Owing to the fact that almost all of the large packing houses of Kansas City (some of them among the largest in America) are located across the line in Kansas, and the largest of those in St. Louis being on the Illinois side, this Bureau is deprived of the reports of a tremendous volume of business, a large portion of which is directly sustained by the stock raisers of this State; and while the totals in Table No. 24 show the packing business as one of our largest industries, were the State's cattle, hogs and sheep all slaughtered within the State, the volume of business would far outclass any other.

While the tabulation of the reports received indicates satisfactory results to operators and wage-earners employed, small packers complain that the great number of unemployed, who, having no income, are unable to buy meat, are having an injurious effect upon their business. The disposition of the large packers (who, through the power of unlimited means, are enabled to control markets and dictate transportation rates) to crowd out small operators is also noted, and a rigid enforcement of the anti-trust law is the only remedy for this evil they suggest.

The average number of persons employed during last year varied but slightly from 1895, there being an increase of 6, while the total number of days operated shows an increase of 20. The amount of wages paid in 1896 exceeded the previous year \$8,601.

The average monthly salary paid managers was \$156.17; salesmen, \$87; bookkeepers, \$89.57 for males and \$39 for females; clerks, \$69.60 for males and \$39 for females; stenographers, females \$35.

Engineers and firemen were paid \$2.61 for 11 1-3 hours; foremen, \$2.36 for 11 hours; superintendents, \$4.42 for 10 hours; butchers, \$1.95 for 10 hours; scalemen, \$1.91 for 10 1/2 hours; mechanics, \$2.33 for 10 hours; laborers, males \$1.75 for 9 2-3 hours, females \$1.26 for 8 hours.

Table No. 24.

## PACKING HOUSES.

| OFFICE NUMBER | Corporation |         |       | Private firms—male members | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 |
|---------------|-------------|---------|-------|----------------------------|--|---|---|--|--|
|               | Members     |         |       |                            |  |   |   |  |  |
|               | Males       | Females | Total |                            |  |   |   |  |  |
| 1.....        | 3           |         | 3     |                            | \$350,000  | \$9,500   | \$11,800  | \$315,000  | \$.....  |
| 2.....        |             |         |       | 2                          | 32,200   |   |   |  | 700  |
| 3.....        | 3           |         | 3     |                            | 5,646,445  | 615,546   | 415,319   | 4,965,693  | 321,375  |
| 4.....        |             |         |       | 1                          | 14,000   | 6,000   | 4,000   | 11,000   | 200  |
| 5.....        |             |         |       | 2                          | 222,720  | 51,482  | 47,782  | 42,400   | 28,748   |
| 6.....        | 5           | 6       | 11    |                            | 687,000  | 37,627  | 40,382  | 663,000  | 5,200  |
| 7.....        | 4           |         | 4     |                            | 230,000  | 4,000   | 6,000   | 200,000  | 3,000  |
| 8.....        |             |         |       | 1                          | 15,000   | 250   | 250   | 12,000   | 3,000  |
| 9.....        |             |         |       | 1                          | 500,000  | 25,000  | 25,000  | 10,000   | 5,000  |
| Totals .....  | 15          | 6       | 21    | 7                          | \$7,767,365  | \$749,405   | \$550,033   | \$6,219,093  | \$987,223  |

Table No. 24.—Cont.

## PACKING HOUSES.

| OFFICE<br>NUMBER | OFFICE HELP                                  |             |              |             |              |             |                |             | ENGINEERS                    |             | FOREMEN                   |        |                            |    |                              |    |                           |  |                            |  |
|------------------|--|-------------|--------------|-------------|--------------|-------------|----------------|-------------|------------------------------|-------------|---------------------------|--------|----------------------------|----|------------------------------|----|---------------------------|--|----------------------------|--|
|                  | Average amount paid each month to each class |             |              |             |              |             |                |             |                              |             |                           |        |                            |    |                              |    |                           |  |                            |  |
|                  | Salesmen                                     |             | Book-keepers |             | Clerks       |             | Stenog-raphers |             | Males employed over 16 years |             | Average daily wages—males |        | Hours of daily labor—males |    | Males employed over 16 years |    | Average daily wages—males |  | Hours of daily labor—males |  |
|                  | No. of Males                                 | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Females | Amount Paid | No. of Females               | Amount Paid |                           |        |                            |    |                              |    |                           |  |                            |  |
| 1.....           |  |             | 1            | \$100       |              |             |                |             |                              |             | 2                         | \$2.25 | 12                         |    |                              |    |                           |  |                            |  |
| 2.....           |  |             |              |             |              |             |                |             |                              |             |                           |        |                            |    |                              |    |                           |  |                            |  |
| 3.....           | 24   | \$67        | 4            | 112         | 25           | \$83        | 5              | \$38        | 3                            | \$40        | 7                         | 2.57   | 12                         | 25 | \$2.72                       | 10 |                           |  |                            |  |
| 4.....           |  |             |              |             |              |             |                |             |                              |             |                           |        |                            |    |                              |    |                           |  |                            |  |
| 5.....           | 2  | 119         | 1            | 100         | 12           | 90          |                |             |                              |             | 1                         | 3.00   | 10                         | 3  | 2.00                         | 12 |                           |  |                            |  |
| 6.....           | 7  | 75          | 3            | 75          | 1            | 50          | 2              | 40          | 1                            | 30          |                           |        |                            |    |                              |    |                           |  |                            |  |
| 7.....           |  |             | 1            | 100         |              |             |                |             |                              |             |                           |        |                            |    |                              |    |                           |  |                            |  |
| 8.....           |  |             | 1            | 40          |              |             |                |             |                              |             |                           |        |                            |    |                              |    |                           |  |                            |  |
| 9.....           |  |             | 1            | 100         | 2            | 75          |                |             |                              |             |                           |        |                            |    |                              |    |                           |  |                            |  |
| Totals .....     | 33   | \$261       | 12           | \$627       | 31           | \$348       | 7              | \$78        | 4                            | \$370       | 12                        | \$7.82 | 34                         | 28 | \$4.72                       | 32 |                           |  |                            |  |

Table No. 24.—Cont.

## PACKING HOUSES.

| Total value of stock or materials<br>on hand January 1, 1886 |          | Total value of stock or materials<br>on hand January 1, 1887 |       | Total number of days in operation<br>during 1886 |           | Total number of days in operation<br>during 1886 |          | Total amount paid in wages during<br>the year 1886 |          | Total amount paid in wages during<br>the year 1886 |           | TOTAL AMOUNT<br>PAID IN 1886<br>FOR |       |           |       | Capital invested | OFFICE<br>HELP,<br>Etc. |                | Managers<br>and<br>Foremen |
|--|----------|--|-------|--|-----------|--|----------|--|----------|--|-----------|-------------------------------------|-------|-----------|-------|------------------|-------------------------|----------------|----------------------------|
|  |          |  |       |  |           |  |          |  |          |  |           | Rent                                | Taxes | Insurance | Total |                  | No. of<br>Males         | Amount<br>Paid |                            |
| .....  | .....    | 300  | 300   | \$13,000   | \$21,800  | .....  | .....    | \$ 400   | \$600    | \$1,000  | \$ 90,000 | 4                                   | \$113 |           |       | 4                | \$113                   |                |                            |
| .....  | .....    | 300  | 300   | 4,500  | 1,500     | \$1,400  | 51       | 331  | 1,732    | 20,000   | 1         | 101                                 |       |           |       |                  | 1                       | 101            |                            |
| .....  | \$50,904 | 385  | 385   | 294,800  | 234,841   |  | 5,152    | 20,435   | 25,587   | 1,080,000  | 5         | 280                                 |       |           |       |                  | 5                       | 280            |                            |
| \$1,000  | 600      | 150  | 150   | 1,000  | 1,000     | 216  | 78       | 240  | 532      | 6,000  | .....     | .....                               |       |           |       |                  | .....                   | .....          |                            |
| 37,627   | 40,382   | 275  | 275   | 8,586  | 9,719     |  | 1,400    | 1,653  | 3,053    | 190,000  | 1         | 208                                 |       |           |       |                  | 1                       | 208            |                            |
| 3,500  | 5,000    | 300  | 300   | 21,380   | 21,383    |  | 627      | 739  | 1,366    | 40,000   | 1         | 125                                 |       |           |       |                  | 1                       | 125            |                            |
| 800  | 800      | 210  | 230   | 15,000   | 17,000    | 2,000  | 150      | 500  | 2,650    | 50,000   | .....     | .....                               |       |           |       |                  | .....                   | .....          |                            |
| 1,000  | 1,000    | 300  | 300   | 3,832  | 3,456     |  | 380      | 250  | 630      | 10,000   | .....     | .....                               |       |           |       |                  | .....                   | .....          |                            |
|  |          | 300  | 300   | 12,500   | 12,500    |  | 3,000    | 8,000  | 6,000    | 350,000  | 2         | 100                                 |       |           |       |                  | 2                       | 100            |                            |
| \$43,927   | \$96,686 | 2,500  | 2,520 | \$314,608  | \$323,209 | \$3,616  | \$11,236 | \$27,748   | \$42,600 | \$1,836,000  | 14        | \$367                               |       |           |       |                  | 14                      | \$367          |                            |

**Table No. 24.—Cont.**

## PACKING HOUSES.

| SUPERIN-<br>TENDENTS            |                               |                                | BUTCHERS                        |                               |                                | SCALEMEN                        |                               |                                | MECHANICS                       |                               |                                | LABORERS                        |                                   |                               |                                 |                                |                                  |
|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|
| Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Females employed<br>over 16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females |
| 2                               | \$4.42                        | 10                             | 28                              | \$1.80                        | 11                             | 12                              | \$1.75                        | 11                             |                                 |                               |                                | 341                             | 5                                 |                               |                                 | 10                             |                                  |
|                                 |                               |                                | 30                              | 1.65                          | 8                              | 21                              | 2.07                          | 10                             | 11                              |                               |                                | 30                              | 8                                 |                               |                                 | 10                             |                                  |
|                                 |                               |                                | 30                              | 2.00                          | 10                             |                                 |                               |                                |                                 |                               |                                | 7                               | 1                                 |                               |                                 | 10                             |                                  |
|                                 |                               |                                | 40                              | 2.40                          | 10                             | 23                              | 2.83                          | 21                             | 23                              | \$2.33                        | 10                             | 10                              |                                   |                               |                                 | 10                             |                                  |
|                                 |                               |                                | 192                             | 30.75                         | 40                             | 33                              |                               |                                | 11                              |                               |                                | 306                             | 30                                | \$10.54                       | \$2.53                          | 58                             | 18                               |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               | 1.50                            | 10                             | 8                                |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 | 10                             |                                  |

Table No. 24.

## PACKING HOUSES.

| OFFICE NUMBER | Corporation |         |       | Private firms—male members | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 |
|---------------|-------------|---------|-------|----------------------------|--|---|---|--|--|
|               | Members     |         |       |                            |  |   |   |  |  |
|               | Males       | Females | Total |                            |  |   |   |  |  |
| 1.....        | 3           |         | 3     |                            | \$350,000  | \$9,500   | \$11,800  | \$315,000  | \$.....  |
| 2.....        |             |         |       | 2                          | 32,200   |   |   |  | 21,700   |
| 3.....        | 3           |         | 3     |                            | 5,648,445  | 615,546   | 415,819   | 4,965,838  | \$21,376   |
| 4.....        |             |         |       | 1                          | 14,000   | 6,000   | 4,000   | 11,000   | 200  |
| 5.....        |             |         |       | 2                          | 232,720  | 51,432  | 47,732  | 42,400   | 22,748   |
| 6.....        | 5           | 6       | 11    |                            | 687,000  | 37,627  | 40,332  | 668,000  | 5,200  |
| 7.....        | 4           |         | 4     |                            | 230,000  | 4,000   | 6,000   | 200,000  | 3,000  |
| 8.....        |             |         |       | 1                          | 15,000   | 250   | 250   | 12,000   | 3,000  |
| 9.....        |             |         |       | 1                          | 500,000  | 25,000  | 25,000  | 10,000   | 5,000  |
| Totals .....  | 15          | 6       | 21    | 7                          | \$7,767,965  | \$749,406   | \$550,083   | \$6,219,083  | \$367,223  |

Table No. 24.—Cont.

## PACKING HOUSES.

| OFFICE<br>NUMBER | OFFICE HELP                                  |             |              |             |              |             |                |             | ENGINEERS                    |             | FOREMEN                      |                           |                            |                              |                              |                            |                           |  |                            |  |
|------------------|--|-------------|--------------|-------------|--------------|-------------|----------------|-------------|------------------------------|-------------|------------------------------|---------------------------|----------------------------|------------------------------|------------------------------|----------------------------|---------------------------|--|----------------------------|--|
|                  | Average amount paid each month to each class |             |              |             |              |             |                |             |                              |             |                              |                           |                            |                              |                              |                            |                           |  |                            |  |
|                  | Salesmen                                     |             | Book-keepers |             | Clerks       |             | Stenog-raphers |             | Males employed over 10 years |             | Average daily wages—males    |                           | Hours of daily labor—males |                              | Males employed over 10 years |                            | Average daily wages—males |  | Hours of daily labor—males |  |
|                  | No. of Males                                 | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Females | Amount Paid | No. of Females               | Amount Paid | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males    | Hours of daily labor—males |                           |  |                            |  |
| 1.....           |  |             | 1            | \$100       |              |             |                |             |                              |             | 2                            | \$2.25                    | 12                         |                              |                              |                            |                           |  |                            |  |
| 2.....           |  |             |              |             |              |             |                |             |                              |             |                              |                           |                            |                              |                              |                            |                           |  |                            |  |
| 3.....           | 24   | \$67        | 4            | 112         | 25           | \$33        | 5              | \$38        | 3                            | \$40        | 7                            | 2.57                      | 12                         | 28                           | \$2.72                       | 10                         |                           |  |                            |  |
| 4.....           |  |             |              |             |              |             |                |             |                              |             |                              |                           |                            |                              |                              |                            |                           |  |                            |  |
| 5.....           | 2  | 119         | 1            | 100         | 2            | 90          |                |             |                              |             | 1                            | 3.00                      | 10                         | 3                            | 2.00                         | 12                         |                           |  |                            |  |
| 6.....           | 7  | 75          | 3            | 75          | 1            | 50          | 2              | 40          | 1                            | 30          |                              |                           |                            |                              |                              |                            |                           |  |                            |  |
| 7.....           |  |             | 1            | 100         | 1            | 50          |                |             |                              |             |                              |                           |                            |                              |                              |                            |                           |  |                            |  |
| 8.....           |  |             | 1            | 40          |              |             |                |             |                              |             |                              |                           |                            |                              |                              |                            |                           |  |                            |  |
| 9.....           |  |             | 1            | 100         | 2            | 75          |                |             |                              |             |                              |                           |                            |                              |                              |                            |                           |  |                            |  |
| Totals .....     | 33   | \$261       | 12           | \$327       | 31           | \$348       | 7              | \$78        | 4                            | \$870       | 12                           | \$7.82                    | 84                         | 28                           | \$4.72                       | 22                         |                           |  |                            |  |

Table No. 24.—Cont. PACKING HOUSES.

| Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT<br>PAID IN 1896<br>FOR |          |           |          | Capital invested | OFFICE<br>HELP,<br>Etc.    |       |
|--|--|--|--|--|--|-------------------------------------|----------|-----------|----------|------------------|----------------------------|-------|
|  |  |  |  |  |  | Rent                                | Taxes    | Insurance | Total    |                  | Managers<br>and<br>Foremen |       |
|  |  | 300  | 300  | \$13,000   | \$21,800   |                                     | \$ 400   | \$600     | \$1,000  | \$ 90,000        |                            |       |
|  |  | 300  | 300  | 4,500  | 1,500  | \$1,400                             | 51       | 331       | 1,732    | 20,000           | 4                          | \$113 |
|  | \$60,904   | 365  | 365  | 234,800  | 234,841  |                                     | 5,152    | 20,435    | 26,587   | 1,080,000        | 1                          | 100   |
| \$1,000  | 600  | 150  | 150  | 1,000  | 1,000  | 216                                 | 78       | 240       | 532      | 6,000            | 5                          | 291   |
| 37,227   | 40,382   | 275  | 275  | 8,588  | 9,719  |                                     | 1,400    | 1,653     | 3,053    | 190,000          | 1                          | 208   |
| 8,500  | 5,000  | 300  | 300  | 21,380   | 21,383   |                                     | 627      | 739       | 1,366    | 40,000           | 1                          | 125   |
| 800  | 210  | 230  | 230  | 15,000   | 17,000   | 2,000                               | 150      | 500       | 2,650    | 50,000           |                            |       |
| 1,000  | 800  | 300  | 300  | 3,832  | 3,456  |                                     | 380      | 250       | 630      | 10,000           |                            |       |
|  | 1,000  | 300  | 300  | 12,500   | 12,500   |                                     | 3,000    | 3,000     | 6,000    | 350,000          | 2                          | 100   |
| \$43,927   | \$68,698   | 2,500  | 2,530  | \$314,608  | \$323,209  | \$3,616                             | \$11,236 | \$27,748  | \$42,600 | \$1,836,000      | 14                         | \$687 |

Table No. 24.—Cont. PACKING HOUSES.

| SUPERIN-<br>TENDENTS            |                               |                                | BUTCHERS                        |                               |                                | SCALEMEN                        |                               |                                | MECHANICS                       |                               |                                | LABORERS                        |                                   |                               |                                 |                                |                                  |
|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|
| Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Females employed<br>over 16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females |
| 2                               | \$4.42                        | 10                             | 28                              | \$1.80                        | 11                             | 12                              | \$1.75                        | 11                             |                                 |                               |                                | 5                               | 341                               | \$2.00                        |                                 | 10                             |                                  |
|                                 |                               |                                | 28                              | 2.00                          | 8                              |                                 |                               |                                |                                 |                               |                                | 3                               | 3                                 | 1.54                          |                                 | 8                              |                                  |
|                                 |                               |                                | 50                              | 1.55                          | 10                             | 21                              | 2.07                          | 10                             | \$2.38                          |                               |                                | 80                              | 1.00                              | 2.00                          |                                 | 10                             |                                  |
|                                 |                               |                                | 30                              | 2.00                          | 10                             |                                 |                               |                                |                                 |                               |                                | 7                               | 1                                 | 2.00                          |                                 | 10                             |                                  |
| \$4.42                          |                               | 10                             | 192                             | 2.40                          | 10                             | 33                              | \$3.82                        | 21                             | \$2.33                          | 10                            | 396                            | 30                              | 2.00                              | 1.50                          | \$1.08                          | 10                             | 8                                |
|                                 |                               |                                | 30                              |                               |                                |                                 |                               |                                |                                 |                               |                                | 30                              | \$10.54                           | \$2.58                        |                                 | 58                             | 16                               |





## GROCERS' SUNDRIES.

In Table No. 25 are tabulated the reports of 31 establishments engaged in the manufacture of grocers' sundries, which classification includes the manufacturers of pickles, preserves, crackers, cereals, condiments and grocers' notions.

An analysis of Table No. 25 shows that last year's operations were generally satisfactory, but considerable complaint is made about the present conditions and future prospects, and the answers to Question 14 indicate a wide range of opinion. One suggests "general protection to increase home consumption." Another wants "laws to protect us against swindling debtors." One large manufacturer says, "More cash and free silver will help us." Says another, "Any legislation that will stimulate general trade and afford the laborers (the consumers) large and steady earnings will decidedly improve our business." One says he "does not regard legislation as a remedy for dull business." A large cereal manufacturer says: "To too much legislation at Washington under the dictation of Wall Street is the prime cause of the present and past years' depression. If Congress would give us an American system of finance, I think business would improve."

The total number of days operated by these 31 manufacturers in 1896 exceeded the previous year by 1,377. The average number of persons employed in 1895 was 1,031; in 1896 the average was 1,146. The amount of wages paid last year shows an increase over the preceding year of \$20,156.

Male managers were paid \$134 per month, females \$40; salesmen, \$93.50 for males and \$20 for females; bookkeepers, males \$78.95, females \$40.67; clerks, males \$44.10, females, \$23.50; stenographers, males \$50, females \$44.38.

The average wages paid manual labor was as follows:

Engineers and firemen, \$2.51 for 10 hours; foremen, \$2.39 for 10 hours; millers, \$2.41 for 11 hours; confectioners, \$2.25 for 9 1-3 hours; roasters, \$2.16 for 10 1-3 hours; laborers, males \$1.62 for 10 hours, females 80 cents for 9½ hours; helpers, males \$1.37 for 10 hours, females 78 cents for 9½ hours.



## BUREAU OF LABOR STATISTICS.

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| OFFICE NUMBER | TOTAL AMOUNT PAID IN 1936 |          |           |          | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |             |              |             |              |             |                |             |              |               | ENGINEERS      |             |                              |                           |                            |
|---------------|---------------------------|----------|-----------|----------|------------------|---|-------------|--------------|-------------|--------------|-------------|----------------|-------------|--------------|---------------|----------------|-------------|------------------------------|---------------------------|----------------------------|
|               | Rent                      | Taxes    | Insurance | Total    |                  | Managers and Foremen  |             | Salesmen     |             | Book-keepers |             |                | Clerks      |              | Stenographers |                |             | Males employed over 16 years | Average daily wages—Males | Hours of daily labor—Males |
|               |                           |          |           |          |                  | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Females | Amount Paid | No. of Males | Amount Paid   | No. of Females | Amount Paid |                              |                           |                            |
|               |                           |          |           |          |                  |   |             |              |             |              |             |                |             |              |               |                |             |                              |                           |                            |
| 1             | \$ 100                    | \$ 45    | .....     | \$ 145   | \$ 2,500         | 1   | \$ 60       | 2            | \$ 50       | 1            | \$ 60       | 1              | \$ 40       | 1            | \$ 41         | .....          | .....       | .....                        |                           |                            |
| 2             | .....                     | .....    | .....     | .....    | 300,000          | 1   | 250         | 2            | 125         | 1            | 87          | 1              | 50          | 1            | 50            | .....          | .....       | .....                        |                           |                            |
| 3             | 1,800                     | 200      | \$ 500    | 2,500    | 43,000           | 1   | 100         | 4            | 125         | 1            | 52          | 1              | 30          | 1            | 30            | .....          | .....       | .....                        |                           |                            |
| 4             | 743                       | 116      | 214       | 1,073    | 6,000            | 1   | 100         | 2            | 87          | 1            | 75          | 1              | 50          | 1            | 50            | .....          | .....       | .....                        |                           |                            |
| 5             | 1,440                     | 100      | 662       | 2,202    | 50,000           | 1   | 100         | 2            | 87          | 1            | 75          | 1              | 50          | 1            | 50            | 1              | \$2.25      | 10                           |                           |                            |
| 6             | 480                       | .....    | .....     | 480      | 10,000           | 1   | 100         | 2            | 87          | 1            | 75          | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 7             | .....                     | 754      | 1,720     | 2,474    | 50,000           | 1   | 108         | 8            | 62          | 1            | 104         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 8             | 8,000                     | 808      | 1,482     | 4,770    | 100,000          | 1   | 87          | 8            | 93          | 1            | 104         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 9             | 1,188                     | 4,128    | 5,228     | 10,544   | 100,000          | 1   | 100         | 4            | 113         | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 10            | 1,500                     | 194      | 896       | 2,590    | 80,000           | 1   | 850         | 4            | 113         | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 11            | 1,080                     | 68       | 95        | 1,243    | 10,000           | 1   | 90          | 1            | 100         | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 12            | .....                     | .....    | 1,358     | 1,358    | 80,000           | 1   | 100         | 5            | 92          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 13            | 840                       | 93       | 1,430     | 1,645    | 50,000           | 2   | 200         | 5            | 92          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 14            | .....                     | .....    | 1,230     | 1,063    | 25,000           | 1   | 100         | 5            | 87          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 15            | 9,687                     | 1,026    | 1,633     | 12,346   | 200,000          | 3   | 194         | 7            | 134         | 2            | 75          | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 16            | 875                       | 39       | 30        | 444      | 3,000            | 3   | 140         | 3            | 100         | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 17            | 1,600                     | 600      | 1,208     | 3,408    | 50,000           | 2   | 135         | 8            | 58          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 18            | .....                     | 37       | 1,177     | 1,000    | 10,000           | 1   | 150         | 12           | 100         | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 19            | 1,000                     | 575      | 575       | 1,575    | 30,000           | 2   | 150         | 12           | 100         | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 20            | 1,500                     | 350      | 2,060     | 2,060    | 25,000           | 1   | 87          | 12           | 100         | 4            | 90          | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 21            | 11,517                    | 1,530    | 7,296     | 20,313   | 100,000          | 20  | 60          | 21           | 100         | 4            | 90          | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 22            | 2,082                     | 108      | 507       | 2,697    | 25,000           | 1   | 417         | 1            | 282         | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 23            | 1,400                     | 325      | 1,246     | 2,971    | 100,000          | 3   | 142         | 16           | 75          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 24            | 1,800                     | 150      | 416       | 2,366    | 25,000           | 4   | 100         | 6            | 86          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 25            | 800                       | 232      | 200       | 1,032    | 30,000           | 4   | 160         | 30           | 56          | 2            | 87          | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 26            | 1,500                     | 1,500    | 1,500     | 11,000   | 145,000          | 2   | 87          | 30           | 56          | 2            | 87          | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 27            | 8,000                     | 40       | 745       | 2,568    | 35,800           | 1   | 125         | 1            | 75          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 28            | 1,900                     | 36       | 64        | 999      | 5,500            | 1   | 75          | 1            | 75          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 29            | 1,200                     | 140      | 378       | 1,718    | 55,315           | 2   | 66          | 7            | 87          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 30            | 1,131                     | 612      | 1,191     | 2,934    | 50,000           | 1   | 100         | 9            | 85          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| 31            | 2,000                     | 210      | 500       | 2,710    | 50,000           | 1   | 80          | 5            | 75          | 1            | 100         | 1              | 50          | 1            | 50            | 1              | .....       | .....                        |                           |                            |
| Totals        | \$67,555                  | \$10,219 | \$30,614  | \$88,388 | \$1,784,115      | 63  | \$3,732     | 169          | \$2,244     | 27           | \$1,500     | 8              | \$3,833     | 4            | \$210         | 16             | \$577       | 17                           | \$27.03                   | 110                        |

GROCERS' SUNDRIES.

Table No. 25.—Continued.

| OFFICE<br>NUMBER | FOREMEN                         |                               |                                | MILLERS                         |                               |                                | CON-<br>FECTIONERS              |                               |                                | ROASTERS                        |                               |                                | LABORERS                        |                               |                                |                                   |                                 | HELPERS                          |                                 |                               |                                |                                   |                                 |                                  |      |
|------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-----------------------------------|---------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|-----------------------------------|---------------------------------|----------------------------------|------|
|                  | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Females employed<br>over 16 years | Average daily wages—<br>females | Hours of daily labor—<br>females | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Females employed<br>over 16 years | Average daily wages—<br>females | Hours of daily labor—<br>females |      |
| 1                | 8                               | \$2.00                        | 10                             | 2                               | \$4.00                        | 10                             | 5                               | \$2.35                        | 10                             | 4                               | 2.50                          | 10                             | 25                              | 1.70                          | 67                             | 10                                | 9                               | 67                               | 9                               | 5                             | \$1.00                         | 75                                | 40                              | 75                               | 10   |
| 2                | 1                               | 3.00                          | 10                             |                                 |                               |                                | 6                               | 2.00                          | 12                             |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 2                             | 1.85                           | 10                                | 10                              | 10                               | 10   |
| 3                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 2                               | 2.85                          | 10                             | 2                               | 1.85                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 15                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 4                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 5                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 6                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 7                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 8                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 9                | 1                               | 2.25                          | 10                             | 6                               | 2.00                          | 12                             | 5                               | \$2.35                        | 10                             | 4                               | 2.50                          | 10                             | 25                              | 1.70                          | 67                             | 10                                | 9                               | 67                               | 9                               | 5                             | \$1.00                         | 75                                | 40                              | 75                               | 10   |
| 10               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 2                             | 1.85                           | 10                                | 10                              | 10                               | 10   |
| 11               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 12               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 13               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 14               | 1                               | 2.16                          | 10                             |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 20                              | 1.65                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 15               | 2                               | 3.33                          | 10                             |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 18                              | 1.85                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 12                            | 1.85                           | 10                                | 10                              | 10                               | 10   |
| 16               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 2                               | 1.87                          | 1.00                           | 10                                | 10                              | 10                               | 10                              | 11                            | 1.87                           | 10                                | 10                              | 10                               | 10   |
| 17               | 2                               | 1.66                          | 8                              |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 2                               | 2.00                          | 90                             | 6                                 | 8                               | 6                                | 8                               | 2                             | 1.88                           | 8                                 | 4                               | 88                               | 8    |
| 18               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 11                              | 2.00                          | 90                             | 6                                 | 8                               | 6                                | 8                               | 5                             | 1.50                           | 8                                 | 4                               | 88                               | 8    |
| 19               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 14                              | 1.50                          | 10                             | 12                                | 12                              | 12                               | 12                              | 6                             | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 20               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 16                              | 1.15                          | 10                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 21               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 16                              | 1.25                          | 10                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 22               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 16                              | 1.25                          | 10                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 23               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 14                              | 1.25                          | 10                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 24               | 1                               | 2.88                          | 10                             | 4                               | 2.00                          | 10                             | 25                              | 2.50                          | 10                             |                                 |                               |                                | 28                              | 1.75                          | 70                             | 10                                | 10                              | 10                               | 10                              | 2                             | 2.00                           | 14                                | 81                              | 77                               | 10   |
| 25               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 5                               | 1.75                          | 70                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 26               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 6                               | 1.50                          | 60                             | 10                                | 10                              | 10                               | 10                              | 6                             | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 27               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 22                              | 1.25                          | 60                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 28               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 22                              | 1.25                          | 60                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 29               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 22                              | 1.25                          | 60                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 30               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 22                              | 1.25                          | 60                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| 31               |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 22                              | 1.25                          | 60                             | 10                                | 10                              | 10                               | 10                              | 10                            | 1.50                           | 10                                | 10                              | 10                               | 10   |
| Totals           | 11                              | \$15.73                       | 98                             | 13                              | \$0.95                        | 43                             | 31                              | \$0.95                        | 28                             | 10                              | \$13.00                       | 62                             | 275                             | 120                           | \$93.10                        | 80                                | 50                              | 298                              | 113                             | 201                           | \$17.80                        | 813                               | 325                             | 1283                             | 1001 |

## CANDY AND CONFECTIONERY MANUFACTURES.

Table No. 26 contains the tabulation of reports on this industry, the operators in which say their business in 1896 was very good, with excellent prospects for the present year, although wages, as compared with 1895, show a slight reduction. No complaints were made about present conditions, and the only suggestions advanced for improvement were for such legislation as would effectually prevent the adulteration of confectionery by unprincipled manufacturers.

The average number of persons employed in 1895 was 766; in 1896 the average was 787. The total number of days operated in 1896 exceeded 1895 by 299, while the amount of wages paid decreased \$2,545.

The average monthly salary paid managers was \$152.14 for males and \$40 for females; salesmen, \$64 for males and \$72 for females; bookkeepers, \$85; clerks, males \$50.57, females \$40; stenographers, males \$37, females \$42.28.

Engineers and firemen were paid \$2.40 for 9½ hours; foremen, \$3 for 10 hours; candymakers, males \$1.74 for 10 hours, females 87 cents for 9 2-3 hours; wrappers, females 63 cents for 9 hours; packers, males \$1.35 for 9 hours, females 96 cents for 9½ hours; laborers, males \$2.11 for 9½ hours, females 60 cents for 10 hours; helpers, males \$1.19 for 9½ hours, females 73 cents for 9 1-3 hours.

Table No. 26.

## CANDY AND CONFECTIONERY.

| OFFICE NUMBER | Corporation |         | Members |         | Mem-<br>bers |         | Private<br>Firms |           | Total value of all goods manufac-<br>tured during the year 1896 |             | Value of manufactured goods on<br>hand January 1, 1896 |         | Value of manufactured goods on<br>hand January 1, 1897 |           | Total value of all stock or material<br>used during the year 1896 |         | Total value of supplies used, fuel,<br>light, water, power, boxes, etc.,<br>in 1896 |         | Total value of stock or materials on<br>hand January 1, 1896 |         | Total value of stock or materials or<br>hand January 1, 1897 |         | Total number of days in operation<br>during the year 1896 |         | Total number of days in operation<br>during the year 1896 |         | Total amount paid in wages dur-<br>ing the year 1896 |         | Total amount paid in wages during<br>the year 1896 |         |
|---------------|-------------|---------|---------|---------|--------------|---------|------------------|-----------|---|-------------|--|---------|--|-----------|---|---------|---|---------|--|---------|--|---------|---|---------|---|---------|--|---------|--|---------|
|               | Total       |         | Total   |         | Total        |         | Total            |           | Total   |             | Total  |         | Total  |           | Total   |         | Total   |         | Total  |         | Total  |         | Total   |         | Total   |         | Total  |         | Total  |         |
|               | Males       | Females | Males   | Females | Males        | Females | Males            | Females   | Males   | Females     | Males  | Females | Males  | Females   | Males   | Females | Males   | Females | Males  | Females | Males  | Females | Males   | Females | Males   | Females | Males  | Females | Males  | Females |
| 1.            | ..          | ..      | ..      | ..      | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| 2.            | 8           | ..      | 8       | ..      | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| 3.            | ..          | ..      | ..      | ..      | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| 4.            | 8           | 1       | 8       | 1       | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| 5.            | 7           | ..      | 7       | ..      | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| 6.            | ..          | ..      | ..      | ..      | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| 7.            | 8           | 1       | 8       | 1       | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| 8.            | ..          | ..      | ..      | ..      | ..           | ..      | ..               | ..        | ..  | ..          | ..   | ..      | ..   | ..        | ..  | ..      | ..  | ..      | ..   | ..      | ..   | ..      | ..  | ..      | ..  | ..      | ..   | ..      | ..   |         |
| Totals        | 26          | 2       | 28      | 5       | 3            | 8       | \$1,868,824      | \$108,900 | \$107,775   | \$1,067,977 | \$90,508   | 2,082   | 2,327  | \$396,808 | \$394,823   |         |   |         |  |         |  |         |   |         |   |         |  |         |  |         |

CANDY AND CONFECTIONERY.

Table No. 26.—Continued.

| OFFICE NUMBER | TOTAL AMOUNT<br>PAID IN 1936<br>FOR |         |           |          | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |                |                 |                |                 |                |                  |                |                 |                |                 |                | ENGINEERS                       |                               |                                |                                 | FOREMEN                       |                                |                                 |                               |                                |                 |                |
|---------------|-------------------------------------|---------|-----------|----------|------------------|---|----------------|-----------------|----------------|-----------------|----------------|------------------|----------------|-----------------|----------------|-----------------|----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-----------------|----------------|
|               | Rent                                | Taxes   | Insurance | Total    |                  | Managers<br>and<br>Foremen                                  |                |                 |                | Salesmen        |                | Book-<br>keepers |                | Clerks          |                | Stenographers   |                | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |                 |                |
|               |                                     |         |           |          |                  | No. of<br>Males   | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | No. of<br>Males | Amount<br>Paid |
|               |                                     |         |           |          |                  |   |                |                 |                |                 |                |                  |                |                 |                |                 |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| 1             | \$ 1,000                            | \$300   | \$100     | \$ 1,400 | \$20,000         | 1   | \$100          | 9               | 14             | 22              | 8              | 76               | 1              | 376             | 1              | 40              | 1              | 38.00                           | 10                            | 1                              | \$3.00                          | 10                            |                                |                                 |                               |                                |                 |                |
| 2             | 5,040                               | 423     | 1,221     | 6,684    | 50,000           | 4   | 198            | 12              | 22             | 86              | 2              | 86               | 1              | 86              | 1              | 45              | 8              | 32.00                           | 10                            |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| 3             | 8,000                               | 277     | 727       | 4,104    | 90,000           | 8   | 165            | 2               | 75             | 1               | 75             | 1                | 75             | 1               | 45             | 2               | 2.00           | 8                               |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| 4             | 4,500                               | 158     | 541       | 5,199    | 50,000           | 1   | 150            | 10              | 72             | 1               | 125            | 8                | 72             | 1               | 41             | 2               | 2.00           | 8                               |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| 5             | 840                                 |         |           | 840      | 10,000           | 1   | 75             | 6               | 125            | 1               | 60             | 2                | 90             | 1               | 40             | 4               | 3.00           | 10                              |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| 6             | 9,000                               | 890     | 1,620     | 11,400   | 100,000          | 8   | 140            | 6               | 125            | 1               | 60             | 2                | 90             | 1               | 40             | 4               | 3.00           | 10                              |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| 7             |                                     |         |           |          | 100,000          | 8   | 140            | 19              | 84             | 3               | 100            | 17               | 66             | 1               | 36             | 8               | 2.60           | 10                              |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| 8             | 3,008                               | 1,046   | 4,049     | 265,000  | 265,000          | 7   | 237            | 19              | 84             | 3               | 100            | 17               | 66             | 1               | 36             | 8               | 2.60           | 10                              |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |                |
| Totals        | \$23,380                            | \$6,141 | \$5,155   | \$34,676 | \$605,000        | 20  | \$1,065        | 68              | \$448          | 12              | \$566          | 31               | \$354          | 8               | \$141          | 7               | \$296          | 12                              | \$9.60                        | 38                             | 1                               | \$3.00                        | 10                             |                                 |                               |                                |                 |                |



Table No. 26.—Continued.

## CANDY AND CONFECTIONERY.

| OFFICE NUMBER | CANDY MAKERS                 |                                |                           |                             | WRAPPERS                   |                              |                                |                           | PACKERS                     |                            |                              |                              | LABORERS                  |                             |                            |                              | HELPERS                      |                           |                             |                            |                              |
|---------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|
|               | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Remales employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |
| 1             | 1                            | 1                              | 1.25                      | 1.00                        | 10                         | 10                           | 1                              | 1.00                      | 1.00                        | 10                         | 10                           | 1                            | 1.00                      | 1.00                        | 10                         | 10                           | 1                            | 1.00                      | 1.00                        | 10                         | 10                           |
| 2             | 18                           | 18                             | 1.75                      | 1.50                        | 10                         | 10                           | 10                             | 1.75                      | 1.50                        | 10                         | 10                           | 10                           | 1.75                      | 1.50                        | 10                         | 10                           | 10                           | 1.75                      | 1.50                        | 10                         | 10                           |
| 3             | 64                           | 64                             | 1.50                      | 1.50                        | 10                         | 10                           | 10                             | 1.50                      | 1.50                        | 10                         | 10                           | 10                           | 1.50                      | 1.50                        | 10                         | 10                           | 10                           | 1.50                      | 1.50                        | 10                         | 10                           |
| 4             | 30                           | 30                             | 1.55                      | 1.40                        | 10                         | 10                           | 10                             | 1.55                      | 1.40                        | 10                         | 10                           | 10                           | 1.55                      | 1.40                        | 10                         | 10                           | 10                           | 1.55                      | 1.40                        | 10                         | 10                           |
| 5             | 14                           | 14                             | 2.65                      | 1.40                        | 10                         | 10                           | 10                             | 2.65                      | 1.40                        | 10                         | 10                           | 10                           | 2.65                      | 1.40                        | 10                         | 10                           | 10                           | 2.65                      | 1.40                        | 10                         | 10                           |
| 6             | 6                            | 6                              | 1.50                      | 1.50                        | 10                         | 10                           | 10                             | 1.50                      | 1.50                        | 10                         | 10                           | 10                           | 1.50                      | 1.50                        | 10                         | 10                           | 10                           | 1.50                      | 1.50                        | 10                         | 10                           |
| 7             | 115                          | 115                            | 1.25                      | 1.25                        | 10                         | 10                           | 10                             | 1.25                      | 1.25                        | 10                         | 10                           | 10                           | 1.25                      | 1.25                        | 10                         | 10                           | 10                           | 1.25                      | 1.25                        | 10                         | 10                           |
| 8             | 48                           | 48                             | 1.75                      | 1.75                        | 10                         | 10                           | 10                             | 1.75                      | 1.75                        | 10                         | 10                           | 10                           | 1.75                      | 1.75                        | 10                         | 10                           | 10                           | 1.75                      | 1.75                        | 10                         | 10                           |
| Totals        | 304                          | 201                            | \$13.95                   | \$5.25                      | 72                         | 58                           | 88                             | \$1.25                    | \$3.55                      | 18                         | 28                           | 67                           | \$2.70                    | \$3.55                      | 18                         | 28                           | 11                           | \$3.45                    | \$0.60                      | 86                         | 10                           |

## BAKERIES.

This industry, the reports of which are tabulated in Table No. 27, does not show satisfactory results from the operations of 1896, and, generally speaking, the prospects for this year's business were not considered good. The principal cause assigned for this unfavorable condition is that a very large number of wage-earners (who are the chief consumers of bakery products) are unemployed, hence are unable to buy.

The only recommendations offered for the betterment of the trade of this industry are for such legislation as will afford steady employment at living wages for all wage-earners. One extensive operator says: "We want free trade, free silver and freedom to trade in the markets of the world, and let fair competition regulate our business."

The total number of days operated in 1896 exceeded 1895 by 163. The average number of persons employed during 1895 was 226; the average for 1896 was 314, and the excess in the amount of wages paid last year over the previous year was \$18,426.

The average monthly salary paid managers was \$114.37; salesmen, \$54.33; bookkeepers, \$96.60; clerks, males \$43.33, females \$48.50.

Engineers and firemen were paid \$1.85 for 10 hours; foremen, \$1.25 for 10 hours; bench hands, \$1.75 for 12 hours; bread bakers, males \$1.91 for 10 2-3 hours, females 92 cents for 10 hours; cake bakers, males \$1.40 for 8 hours, females \$1.10 for 9½ hours; drivers, \$2.24 for 9 2-5 hours; general help, males \$1.38 for 9½ hours, females 71 cents for 9 hours.

Table No. 27.

## BAKERIES.

| OFFICE NUMBER | Corporation |         |       | Private firms—male members | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 |
|---------------|-------------|---------|-------|----------------------------|--|---|---|--|--|---|---|
|               | Males       | Females | Total |                            |  |   |   |  |  |   |   |
| 1.....        | .....       | .....   | ..... | 1                          | \$38,000   | \$100   | \$75  | \$18,570   | \$ 635   | \$ 1,000  | \$ 1,230  |
| 2.....        | .....       | .....   | ..... | 2                          | 21,000   | 25  | 25  | 12,000   | 500  | 500   | 1,100   |
| 3.....        | 4           | .....   | 4     | .....                      | 56,000   | 10  | 10  | 31,100   | 7,000  | 1,300   | 1,100   |
| 4.....        | 3           | 2       | 5     | .....                      | 41,923   | 150   | 175   | 24,897   | 1,000  | 1,852   | 5,250   |
| 5.....        | 4           | .....   | 4     | .....                      | 22,500   | .....   | 480   | 6,114  | 328  | .....   | 20  |
| 6.....        | .....       | .....   | ..... | 1                          | 20,000   | 100   | 100   | 10,000   | 400  | 500   | 500   |
| 7.....        | .....       | .....   | ..... | 1                          | 61,244   | .....   | .....   | 41,408   | 25,398   | 7,098   | 6,327   |
| 8.....        | 3           | 1       | 4     | .....                      | 42,455   | .....   | .....   | 23,946   | 27,208   | .....   | 14,833  |
| 9.....        | 3           | 1       | 3     | .....                      | 209,956  | .....   | .....   | 120,955  | 20,515   | 11,017  | 14,833  |
| 10.....       | 3           | .....   | 3     | .....                      | 63,283   | .....   | .....   | 31,625   | 2,476  | 1,300   | 3,100   |
| Totals.....   | 19          | 4       | 23    | 5                          | \$570,341  | \$385   | \$665   | \$320,510  | \$64,820   | \$23,956  | \$33,100  |

Table No. 27—Cont.

## BAKERIES.

| OFFICE NUMBER | Office Help<br>etc. |                | ENGINEERS                       |                               |                                | FOREMEN                         |                               |                                | BENCH<br>HANDS                  |                               |                                | BREAD<br>BAKERS |
|---------------|---------------------|----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-----------------|
|               | Clerks              |                | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |                 |
|               | No. of<br>Males     | Amount<br>Paid |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                 |
| 1.....        |                     |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 6               |
| 2.....        |                     |                |                                 |                               |                                |                                 |                               |                                | 2                               | \$1.75                        | 12                             | 1               |
| 3.....        |                     |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 4               |
| 4.....        |                     |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 10              |
| 5.....        |                     |                | 2                               | \$1.85                        | 10                             | 1                               | \$1.25                        | 10                             |                                 |                               |                                | 14              |
| 6.....        |                     |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 5               |
| 7.....        | 4                   | \$25           |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 5               |
| 8.....        | 3                   | 40             |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 5               |
| 9.....        | 1                   | 68             |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 41              |
| 10.....       |                     |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 14              |
| Totals .....  | 8                   | \$120          | 2                               | \$1.85                        | 10                             | 1                               | \$1.25                        | 10                             | 2                               | \$1.75                        | 12                             | 93              |





## SOAP FACTORIES.

The manufacturers of soap enjoyed a good business last year, as indicated by their reports, tabulated in Table No. 28, and they anticipated an increased trade during the present year. These manufacturers are apparently well satisfied with the present condition of their business and offer no suggestion for its betterment.

The average number of persons employed in 1895 was 459; in 1896 the average was 468. The total number of days operated during last year exceeded the previous year by 35, yet the amount of wages paid shows a decrease of \$9,448, as compared with 1895.

Managers were paid a monthly salary of \$146.57; salesmen, males \$111.83, females \$62; bookkeepers, \$79.40; clerks, \$49.83; stenographers, males \$30, females \$53.

The average wages paid engineers and firemen was \$2.15 for 10½ hours; machinists, \$2.07 for 9 hours; soapmakers, \$1.99 for 9 hours; pressmen, \$1.88 for 9 2-3 hours; cutters, \$1.71 for 10 1-3 hours; wrappers, males 70 cents for 9 hours, females 80 cents for 10 hours; helpers, males \$1.49 for 9 6-7 hours, females 94 cents for 10 hours.

Table No. 28.

## SOAP.

| OFFICE<br>NUMBER | Corporation |         |       | Private firms—male members | Total value of all goods manufac-<br>tured during the year 1886 | Value of manufactured goods on<br>hand January 1, 1886 | Value of manufactured goods on<br>hand January 1, 1887 | Total value of all stock or material<br>used during the year 1886 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1886 | Total value of stock or materials<br>on hand January 1, 1886 | Total value of stock or materials<br>on hand January 1, 1887 |
|------------------|-------------|---------|-------|----------------------------|---|--|--|---|--|--|--|
|                  | Members     |         |       |                            |   |  |  |   |  |  |  |
|                  | Males       | Females | Total |                            |   |  |  |   |  |  |  |
| 1.....           | 4           | .....   | 4     | .....                      | \$ 172,000  | \$5,000  | \$6,000  | \$ 100,000  | \$12,000   | \$30,000   | \$35,000   |
| 2.....           | 2           | .....   | 2     | .....                      | 6,000   | 500  | 500  | 4,000   | 250  | .....  | .....  |
| 3.....           | 4           | .....   | 4     | .....                      | 205,000   | 16,000   | 17,000   | 157,000   | 8,445  | 15,400   | 15,100   |
| 4.....           | 5           | .....   | 5     | .....                      | 2,027,812   | 181,232  | 129,711  | 1,261,434   | 198,150  | 563,086  | 325,908  |
| 5.....           | .....       | .....   | ..... | 8                          | 259,198   | 44,861   | 36,389   | 181,586   | 57,897   | 75,648   | 59,038   |
| 6.....           | 5           | 2       | 7     | .....                      | 25,000  | 11,000   | 10,000   | 23,000  | 4,000  | 10,000   | 10,000   |
| 7.....           | 3           | .....   | 3     | .....                      | 4,000   | 1,000  | 800  | 1,550   | 900  | 550  | 323  |
| 8.....           | .....       | .....   | ..... | 3                          | 15,000  | 5,000  | 6,000  | 11,000  | 440  | 5,000  | 6,000  |
| 9.....           | 14          | 1       | 15    | .....                      | 470,900   | 32,492   | 31,727   | 879,504   | .....  | 68,900   | 68,200   |
| Totals .....     | 37          | 3       | 40    | 6                          | \$3,184,910   | \$277,115  | \$236,927  | \$3,119,064   | \$277,082  | \$768,534  | \$514,426  |

Table No. 28.—Cont.

## SOAP.

| OFFICE<br>NUMBER | OFFICE HELP                          |             |              |             |               |             | ENGINEERS                    |                            |                            | MACHINISTS                   |                            |                            | SOAP<br>MAKERS               |                            |                            |
|------------------|--------------------------------------|-------------|--------------|-------------|---------------|-------------|------------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|
|                  | Amount paid each month to each class |             |              |             |               |             |                              |                            |                            |                              |                            |                            |                              |                            |                            |
|                  | Book-keepers                         |             | Clerks       |             | Stenographers |             | Males employed over 10 years |                            |                            | Males employed over 10 years |                            |                            | Males employed over 10 years |                            |                            |
|                  | No. of Males                         | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid | Average daily wages—males    | Hours of daily labor—males | Hours of daily labor—males | Average daily wages—males    | Hours of daily labor—males | Hours of daily labor—males | Average daily wages—males    | Hours of daily labor—males | Hours of daily labor—males |
| 1.....           | 1                                    | \$75        | 1            | \$10        | .....         | .....       | .....                        | 2                          | \$1.75                     | 9                            | 3                          | \$1.75                     | 9                            | 3                          | \$2.15                     |
| 2.....           | 1                                    | 45          | 1            | 45          | .....         | .....       | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      |
| 3.....           | 1                                    | 117         | 15           | 90          | .....         | .....       | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      |
| 4.....           | 1                                    | 75          | 1            | 75          | 1             | \$30        | .....                        | 6                          | \$56                       | 12                           | 22                         | 2.40                       | .....                        | 2                          | 2.35                       |
| 5.....           | .....                                | .....       | .....        | .....       | .....         | .....       | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      |
| 6.....           | .....                                | .....       | 1            | 50          | .....         | .....       | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      |
| 7.....           | .....                                | .....       | .....        | .....       | .....         | .....       | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      | .....                        | 1                          | 1.50                       |
| 8.....           | .....                                | .....       | .....        | .....       | .....         | .....       | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      |
| 9.....           | 2                                    | 85          | 3            | 50          | .....         | .....       | .....                        | .....                      | .....                      | .....                        | .....                      | .....                      | .....                        | 77                         | 1.58                       |
| Totals ..        | 11                                   | \$397       | 22           | \$239       | 1             | \$30        | 8                            | \$106                      | 8                          | \$4.30                       | 21                         | 25                         | \$4.15                       | 18                         | 90                         |
|                  |                                      |             |              |             |               |             |                              |                            |                            |                              |                            |                            |                              |                            | \$0.98                     |
|                  |                                      |             |              |             |               |             |                              |                            |                            |                              |                            |                            |                              |                            | 45                         |

Table No. 28.—Cont.

## SOAP.

| Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 | TOTAL AMOUNT PAID<br>IN 1886 FOR |         |           |          | Capital invested | OFFICE HELP<br>Amount paid each month to each class |             |              |             |                |             |       |
|---|---|---|---|----------------------------------|---------|-----------|----------|------------------|---|-------------|--------------|-------------|----------------|-------------|-------|
|   |   |   |   | Rent                             | Taxes   | Insurance | Total    |                  | Managers<br>and<br>Foremen                          |             | Salesmen     |             |                |             |       |
|   |   |   |   |                                  |         |           |          |                  | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Females | Amount Paid |       |
|   |   |   |   |                                  |         |           |          |                  |   |             |              |             |                |             |       |
| 313   | 314   | \$15,000  | \$12,000  | .....                            | \$720   | \$ 1,200  | \$ 1,920 | \$100,000        | 3   | \$200       | 5            | \$100       | .....          | .....       | ..... |
| 310   | 310   | 1,500   | 1,500   | \$300                            | 9       | 26        | 335      | 3,000            | 4   | 185         | 48           | 100         | .....          | .....       | ..... |
| 275   | 290   | 11,800  | 12,400  | 500                              | 850     | 2,480     | 3,330    | 55,000           | 8   | 244         | 114          | 100         | .....          | .....       | ..... |
| 302   | 297   | 132,700   | 120,000   | 3,500                            | 2,768   | 12,000    | 18,268   | 800,000          | 3   | 112         | 170          | 87          | .....          | .....       | ..... |
| 302   | 301   | 28,171  | 25,327  | .....                            | 1,382   | .....     | 1,382    | 150,000          | 1   | 60          | .....        | .....       | .....          | .....       | ..... |
| 245   | 250   | 6,000   | 6,500   | .....                            | 100     | 600       | 700      | 27,000           | 1   | .....       | .....        | .....       | .....          | .....       | ..... |
| 300   | 300   | 2,080   | 1,740   | 300                              | 12      | 13        | 325      | 4,800            | 1   | .....       | .....        | .....       | .....          | .....       | ..... |
| 280   | 300   | 800   | 900   | 300                              | 30      | 150       | 576      | 7,500            | 2   | 125         | 22           | 100         | .....          | .....       | ..... |
| 300   | 300   | 38,384  | 36,020  | .....                            | .....   | 2,676     | 2,676    | 200,000          | 2   | .....       | .....        | .....       | .....          | .....       | ..... |
| 2,627   | 2,622   | \$225,835                                       | \$216,387                                       | \$4,906                          | \$5,849 | \$19,145  | \$29,990 | \$1,847,380      | 23  | \$1,026     | 85           | \$671       | 10             | \$62        | ..... |

Table No. 23.—Cont.

## SOAP.

| PRESSMEN                     |                           |                            | CUTTERS                      |                           |                            | WRAPPERS                     |                                |                           |                             |                            |                              | HELPERS                      |                                |                           |                             |                            |                              |
|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|
| Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |
| 3                            | \$1.30                    | 10                         | 8                            | \$1.65                    | 9                          | .....                        | 4                              | .....                     | \$0.75                      | .....                      | 10                           | 4                            | .....                          | \$1.83                    | .....                       | 10                         | .....                        |
| .....                        | .....                     | .....                      | .....                        | .....                     | .....                      | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | 80                           | 5                              | 1.67                      | \$0.83                      | 10                         | 10                           |
| 6                            | 1.75                      | 9                          | 4                            | 2.00                      | 12                         | 40                           | .....                          | \$0.80                    | .....                       | 9                          | .....                        | 125                          | 5                              | 1.50                      | .....                       | 9                          | .....                        |
| .....                        | .....                     | .....                      | .....                        | .....                     | .....                      | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | 42                           | 5                              | 1.65                      | 50                          | 10                         | 10                           |
| .....                        | .....                     | .....                      | .....                        | .....                     | .....                      | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | 5                            | 3                              | 1.50                      | 1.50                        | 10                         | 10                           |
| .....                        | .....                     | .....                      | .....                        | .....                     | .....                      | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | 1.65                      | .....                       | 10                         | .....                        |
| 13                           | 2.00                      | 10                         | 6                            | 2.50                      | 10                         | .....                        | 30                             | .....                     | .85                         | .....                      | 10                           | .....                        | .....                          | .65                       | .....                       | 10                         | .....                        |
| 19                           | \$6.65                    | 29                         | 13                           | \$6.15                    | 31                         | 41                           | 34                             | \$1.40                    | \$1.60                      | 13                         | 20                           | 216                          | 13                             | \$10.45                   | \$2.83                      | 39                         | 30                           |





## CANNING FACTORIES.

Of the numerous canning factories throughout the State but 5 furnished reports sufficiently complete for tabulation. These 5 factories, as reference to Table No. 29 will show, realized a fair income on their investments. Being operated with low-priced labor and only for two to four months, the amount paid in wages as compared with other industries is relatively small. The generally depressed condition of other lines of business for the past several years has also affected the canning industry, chiefly through the lessened ability of wage-earners (the largest consumers of this line of products) to buy. The only suggestion these manufacturers offer for stimulating their business is such legislation as will put idle laborers to work and increase the earnings of those already employed.

The average monthly salary paid managers was \$175; salesmen, \$50; bookkeepers, \$40.

Engineers and firemen were paid an average of \$1.50; scalders, \$1.25; peelers, females 75 cents; labelers, 50 cents; general help, males \$1.07, females 67 cents, each class working 10 hours.

## CANNING FACTORIES.

Table No. 29.

| OFFICE NUMBER | Corporation |         | Members |         | Private Firms—male members |       | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |           |       |       |       | Total |
|---------------|-------------|---------|---------|---------|----------------------------|-------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|-----------|-------|-------|-------|-------|
|               | Males       | Females | Total   | Members | Total                      | Rent  |  |   |   |  |  |   |   |   |   |   |   | Taxes                         | Insurance | Total |       |       |       |
|               |             |         |         |         |                            |       |  |   |   |  |  |   |   |   |   |   |   |                               |           |       |       |       |       |
| 1.            | 90          | 8       | 98      | .....   | .....                      | ..... | \$ 6,657   | \$ 6,000  | \$ 1,000  | \$ 1,616   | \$ 3,477   | \$ 1,534  | \$ 272  | .....   | 25  | \$1,900   | \$1,045   | .....                         | .....     | ..... | \$ 85 | \$ 85 |       |
| 2.            | 5           | .....   | 5       | .....   | .....                      | ..... | 12,000   | 1,200   | 1,000   | 9,000  | .....  | 6,900   | 876   | 120   | 110   | 1,700   | 1,700   | .....                         | .....     | ..... | ..... | ..... |       |
| 3.            | .....       | .....   | .....   | .....   | .....                      | ..... | 11,000   | 7,500   | 7,500   | 2,300  | 6,170  | 6,900   | 2,700   | 45  | 40  | 1,600   | 1,130   | .....                         | .....     | ..... | \$ 39 | 167   |       |
| 4.            | 17          | 1       | 18      | .....   | .....                      | ..... | 27,000   | 16,700  | 4,400   | 1,046  | 2,364  | 16,153  | 5,948   | 120   | 110   | 5,566   | 2,554   | .....                         | .....     | ..... | 202   | 573   |       |
| 5.            | 8           | .....   | 8       | .....   | .....                      | ..... | 11,000   | .....   | .....   | .....  | .....  | .....   | 863   | .....   | 14  | .....   | 562   | .....                         | .....     | ..... | 36    | 88    |       |
| Totals.       | 115         | 4       | 119     | 5       | 5                          | 5     | \$67,657   | \$23,900  | \$12,900  | \$13,862   | \$12,041   | \$23,537  | \$11,530  | 255   | 239   | \$9,136   | \$7,061   | \$18                          | \$279     | \$616 | \$913 | \$913 |       |



Wardley & Son, St. L.

MILLS OF MISSOURI LUMBER & MINING CO., GRANDIN, MO.



CANNING FACTORIES.

Table No. 29—Continued.

| OFFICE NUMBER | Capital invested | OFFICE HELP                                  |             |              |             | ENGINEERS                    |                       | SCALDERS                     |                       | PEELERS                      |                       | LABELERS                     |                       | GENERAL HELP                 |                       |                              |                       |                              |                       |
|---------------|------------------|--|-------------|--------------|-------------|------------------------------|-----------------------|------------------------------|-----------------------|------------------------------|-----------------------|------------------------------|-----------------------|------------------------------|-----------------------|------------------------------|-----------------------|------------------------------|-----------------------|
|               |                  | Average amount paid each month to each class |             | No. of       |             | Males employed over 16 years |                       | Males employed over 16 years |                       | Males employed over 16 years |                       | Males employed over 16 years |                       | Males employed over 16 years |                       | Males employed over 16 years |                       | Males employed over 16 years |                       |
|               |                  | Managers and Foremen                         |             | Book-keepers |             | Males                        |                       | Males                        |                       | Males                        |                       | Males                        |                       | Males                        |                       | Males                        |                       | Males                        |                       |
|               |                  | No. of Males                                 | Amount Paid | No. of Males | Amount Paid | Average daily wages—         | Hours of daily labor— | Average daily wages—         | Hours of daily labor— | Average daily wages—         | Hours of daily labor— | Average daily wages—         | Hours of daily labor— | Average daily wages—         | Hours of daily labor— | Average daily wages—         | Hours of daily labor— | Average daily wages—         | Hours of daily labor— |
| 1             | \$ 3,900         | 2  | \$105       | 1            | \$40        | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    |
| 2             | 12,000           | 1  | 400         | 1            | 75          | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    |
| 3             | 7,500            | 1  | 400         | 1            | 75          | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    |
| 4             | 18,000           | 2  | 120         | 1            | 75          | 2                            | 10                    | 2                            | 10                    | 2                            | 10                    | 2                            | 10                    | 2                            | 10                    | 2                            | 10                    | 2                            | 10                    |
| 5             | 6,000            | 1  | 120         | 1            | 75          | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    | 1                            | 10                    |
| Totals        | \$47,400         | 6  | \$700       | 1            | \$40        | 3                            | \$3.00                | 2                            | \$1.25                | 10                           | 164                   | \$3.00                       | 40                    | 18                           | \$1.00                | 20                           | 101                   | \$5.35                       | \$2.00                |



## ARTIFICIAL ICE FACTORIES.

Only 5 reports sufficiently complete for tabulation were received from the manufacturers of ice, which reports are given in Table No. 30.

The operations of this line of manufacturing—which is of recent origin—resulted quite satisfactorily last year and the only suggestion offered for betterment is legislation to prevent the putting up, or sale of ice from stagnant and impure lakes and ponds.

The average number of persons employed in this industry in 1895 was 65; in 1896 the average was 78. The total number of days operated in 1896 exceeded the previous year by 379 and the excess in the amount of wages paid was \$8,271.

This industry paid managers an average monthly salary of \$122.20; salesmen, \$50; bookkeepers, \$66.67; clerks, \$30; stenographers, males \$30, females \$35.

The average wages paid engineers and firemen was \$2.29 for 11½ hours; oilers, \$1.33 for 10 hours; ice pullers, \$1.53 for 11½ hours; drivers, \$1.63 for 12 hours; laborers, \$1.40 for 11 3-5 hours.



Table No. 30.

## ARTIFICIAL ICE.

| OFFICE NUMBER | Corporation |         | Members |           | Total | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT<br>PAID IN 1896<br>FOR |         |         |           | Capital invested |
|---------------|-------------|---------|---------|-----------|-------|---|--|--|---|--|--|--|--|--|--|--|-------------------------------------|---------|---------|-----------|------------------|
|               | Males       | Females | Taxes   | Insurance |       |   |  |  |   |  |  |  |  |  |  |  | Total                               |         |         |           |                  |
|               |             |         |         |           |       |   |  |  |   |  |  |  |  |  |  |  |                                     |         |         |           |                  |
| 1.            | 10          | 1       | 11      | \$15,070  | \$88  | \$88  | \$19,276   | \$4,522  | \$113   | 210  | 210  | \$ 3,075   | \$ 3,075   | \$ 3,075   | \$ 3,075   | \$ 3,075   | \$220                               | \$500   | \$820   | \$44,000  |                  |
| 2.            | 6           | 4       | 9       | 19,276    | 88    | 88  | 5,500  | 11,874   | 113   | 244  | 244  | 5,908  | 5,908  | 5,908  | 5,908  | 5,908  | 408                                 | 142     | 550     | 80,000    |                  |
| 3.            | 8           | ...     | 8       | 27,946    | 75    | 75  | 6,000  | 3,979  | 150   | 150  | 150  | 7,019  | 7,019  | 7,019  | 7,019  | 7,019  | 272                                 | 236     | 508     | 45,000    |                  |
| 4.            | 9           | ...     | 9       | 30,000    | ...   | ...   | 17,000   | 6,000  | ...   | 302  | 302  | ...  | 302  | 302  | 4,600  | 4,600  | 4,600                               | 283     | 412     | 695       | 43,000           |
| 5.            | 4           | 1       | 5       | 40,000    | ...   | ...   | 4,500  | 4,500  | ...   | 205  | 205  | ...  | 205  | 205  | 9,749  | 9,749  | 9,749                               | 610     | 1,128   | 1,738     | 50,000           |
| Totals        | 31          | 6       | 37      | \$132,235 | \$163 | \$163   | \$41,776   | \$30,375   | \$263   | 732  | 732  | \$245  | \$245  | \$245  | \$245  | \$245  | \$1,860                             | \$2,445 | \$4,308 | \$322,000 |                  |

ARTIFICIAL ICE.

Table No. 30.—Continued.

| OFFICE<br>NUMBER | OFFICE HELP<br>Average amount paid each month to each class |                |                 |                |                  |                |                 |                |                 |                | ENGINEERS                       |                                |                               | OILERS                          |                               |                                | ICE<br>PULLERS                  |                                |                               | DRIERS                          |                               |                                | LABORERS                        |                                |                               |                                 |     |     |        |     |     |
|------------------|---|----------------|-----------------|----------------|------------------|----------------|-----------------|----------------|-----------------|----------------|---------------------------------|--------------------------------|-------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------------|---------------------------------|-----|-----|--------|-----|-----|
|                  | Managers<br>and<br>Foremen                                  |                | Salesmen        |                | Book-<br>keepers |                | Clerks          |                | Stenographers   |                | Males employed over<br>16 years |                                |                               | Males employed over<br>16 years |                               |                                | Males employed over<br>16 years |                                |                               | Males employed over<br>16 years |                               |                                | Males employed over<br>16 years |                                |                               | Males employed over<br>16 years |     |     |        |     |     |
|                  | No. of<br>Males   | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | Average daily wages—<br>males   | Hours of daily labor—<br>males | Average daily wages—<br>males | Hours of daily labor—<br>males  | Average daily wages—<br>males | Hours of daily labor—<br>males | Average daily wages—<br>males   | Hours of daily labor—<br>males | Average daily wages—<br>males | Hours of daily labor—<br>males  | Average daily wages—<br>males | Hours of daily labor—<br>males | Average daily wages—<br>males   | Hours of daily labor—<br>males | Average daily wages—<br>males | Hours of daily labor—<br>males  |     |     |        |     |     |
|                  |   |                |                 |                |                  |                |                 |                |                 |                |                                 |                                |                               |                                 |                               |                                |                                 |                                |                               |                                 |                               |                                |                                 |                                |                               |                                 |     |     |        |     |     |
| 1.....           | 1   | \$ 120         | 1               | ...            | 1                | ...            | 1               | ...            | ...             | ...            | 6                               | \$2.50                         | 12                            | ...                             | ...                           | ...                            | 10                              | \$1.77                         | 12                            | ...                             | ...                           | ...                            | 2                               | \$1.75                         | 12                            | ...                             | ... | 10  | \$1.25 | 12  | ... |
| 2.....           | 1   | 100            | 1               | ...            | 1                | \$100          | ...             | ...            | ...             | ...            | 6                               | 2.50                           | 12                            | ...                             | ...                           | ...                            | 2                               | 1.50                           | 12                            | ...                             | ...                           | ...                            | 6                               | 1.50                           | 12                            | ...                             | ... | 8   | 1.50   | 12  | ... |
| 3.....           | 1   | 100            | 1               | \$50           | ...              | ...            | ...             | ...            | ...             | ...            | 6                               | 2.00                           | 12                            | ...                             | ...                           | ...                            | 2                               | 1.25                           | 12                            | ...                             | ...                           | ...                            | 6                               | 1.25                           | 12                            | ...                             | ... | 12  | 1.25   | 12  | ... |
| 4.....           | 1   | 125            | ...             | ...            | 1                | 40             | ...             | ...            | ...             | ...            | 1                               | 2.16                           | 10                            | ...                             | ...                           | ...                            | 2                               | 1.00                           | 12                            | ...                             | ...                           | ...                            | 8                               | 1.00                           | 10                            | ...                             | ... | 26  | 1.50   | 10  | ... |
| 5.....           | 1   | 163            | ...             | ...            | 1                | 80             | ...             | ...            | ...             | ...            | 1                               | 2.16                           | 10                            | ...                             | ...                           | ...                            | 2                               | 1.00                           | 10                            | ...                             | ...                           | ...                            | ...                             | ...                            | ...                           | ...                             | ... | ... | ...    | ... | ... |
| Totals .....     | 5   | \$611          | 1               | \$50           | 8                | \$200          | 1               | \$20           | 1               | \$30           | 12                              | \$9.16                         | 46                            | ...                             | ...                           | ...                            | 17                              | \$6.13                         | 46                            | ...                             | ...                           | ...                            | 8                               | \$3.25                         | 24                            | ...                             | ... | 52  | \$7.00 | 58  | ... |



## CIGAR FACTORIES.

Reports were received from 43 cigar factories, 31 of which are tabulated in Table No. 31. Of the incomplete reports not tabulated 4 had an aggregate capital of \$30,125 and their output was valued at \$88,808.

The opinions advanced by these manufacturers indicate that the business, with few exceptions, was generally unsatisfactory last year, and while modestly fair returns were realized on the capital invested, wages were not maintained as compared with the previous year and the prospects for this year's business were not considered bright. Among the reasons assigned for unsatisfactory business was the enforced idleness of a large number of wage-earners, which lessened sales very materially. One source of complaint is the tendency of our people to use Eastern made goods to the neglect of home productions. One large manufacturer says: "If cigar consumers, from the Governor down, would use none but Missouri made goods, our business would be greatly stimulated."

The average number of persons employed in 1895 was 464; in 1896 the average was 485. The total number of days operated last year exceeded 1895 by 547, while the amount of wages decreased \$17,556.

Managers were paid an average monthly salary of \$99.07; salesmen, \$84.64; bookkeepers, \$54.25; clerks, \$31.25; stenographers, females, \$55.

The average wages paid stemmers was, for males, 70 cents for 9 hours, females 86 cents; cigarmakers, males \$1.98 for 8½ hours, females \$1.56 for 8½ hours; packers, males \$2.50 for 8 hours, females \$1.00 for 9½ hours.

| OFFICE<br>NUMBER | CORPORATION |         | Private firms—male members |         | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID IN 1896 FOR |        |           |          | Capital invested |
|------------------|-------------|---------|----------------------------|---------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|--------|-----------|----------|------------------|
|                  | Males       | Females | Total                      | Members |  |   |   |  |  |   |   |   |   |   |   | Rent                          | Taxes  | Insurance | Total    |                  |
|                  |             |         |                            |         |  |   |   |  |  |   |   |   |   |   |   |                               |        |           |          |                  |
| 1                | 3           |         | 3                          |         | \$36,898   | \$13,157  | \$ 238  | \$17,285   | \$ 8,500   | \$102,550   | \$107,981   | 300   | 300   | \$96,475  | \$96,475  | \$ 6,000                      | \$ 650 | \$1,989   | \$ 8,633 | \$100,000        |
| 2                | 2           |         | 2                          |         | 18,000   | 1,700   | 1,500   | 6,500  | 400  | 2,500   | 2,200   | 300   | 300   | 6,700   | 6,700   | 1,400                         | 18     | 45        | 1,938    | 5,000            |
| 3                | 6           | 1       | 6                          |         | 70,200   | 4,845   | 3,321   | 41,788   | 880  | 42,730  | 34,002  | 299   | 299   | 28,547  | 22,911  | 288                           |        |           | 288      | 208              |
| 4                | 4           |         | 4                          |         | 18,000   | 1,066   | 1,006   | 6,100  | 800  | 4,008   | 6,904   | 313   | 313   | 3,380   | 3,000   | 200                           | 18     | 80        | 200      | 7,000            |
| 5                | 5           |         | 5                          |         | 12,000   | 1,800   | 2,000   | 6,000  | 300  | 4,200   | 4,700   | 300   | 290   | 4,244   | 3,191   | 600                           |        |           | 600      | 648              |
| 6                | 1           |         | 1                          |         | 12,265   | 2,247   | 1,168   | 5,865  | 418  | 2,660   | 2,206   | 299   | 295   | 3,445   | 3,840   | 284                           | 906    | 44        | 1,234    | 7,500            |
| 7                | 7           |         | 7                          |         | 6,000  | 1,500   | 3,000   | 1,800  | 2,000  | 1,800   | 3,000   | 290   | 295   | 2,800   | 2,800   | 110                           | 600    | 12        | 722      | 2,500            |
| 8                | 5           | 1       | 6                          |         | 50,000   | 6,000   | 4,500   | 5,000  | 10,000   | 18,000  | 20,000  | 250   | 250   | 18,000  | 15,000  | 800                           | 21     | 200       | 1,121    | 40,000           |
| 9                |             |         |                            |         | 48,000   | 4,500   | 4,960   | 28,970   | 6,777  | 3,600   | 4,000   | 250   | 250   | 17,109  | 15,270  | 1,600                         |        |           | 2,100    | 80,000           |
| 10               |             |         |                            |         | 9,136  | 4,000   | 2,928   | 6,777  | 400  | 4,825   | 6,272   | 300   | 300   | 4,970   | 4,848   | 700                           | 6      | 45        | 758      | 3,800            |
| 11               |             |         |                            |         | 19,200   | 1,500   | 1,888   | 6,500  | 3,200  | 1,200   | 1,000   | 300   | 300   | 7,200   | 7,200   | 1,400                         |        |           | 144      | 850              |
| 12               |             |         |                            |         | 9,865  | 1,460   | 1,800   | 1,108  | 70   | 1,800   | 2,340   | 300   | 300   | 3,179   | 5,272   | 360                           | 23     | 15        | 276      | 6,000            |
| 13               |             |         |                            |         | 14,000   | 2,520   | 3,040   | 2,948  | 470  | 2,677   | 2,840   | 308   | 308   | 3,179   | 5,272   | 360                           | 28     | 11        | 388      | 4,715            |
| 14               |             |         |                            |         | 45,000   | 1,907   | 730   | 1,500  | 150  | 2,570   | 3,551   | 308   | 308   | 4,248   | 4,248   | 1,800                         | 27     | 22        | 219      | 2,000            |
| 15               |             |         |                            |         | 45,000   | 1,907   | 730   | 1,500  | 150  | 2,570   | 3,551   | 308   | 308   | 4,248   | 4,248   | 1,800                         | 27     | 22        | 219      | 2,000            |
| 16               |             |         |                            |         | 45,000   | 1,907   | 730   | 1,500  | 150  | 2,570   | 3,551   | 308   | 308   | 4,248   | 4,248   | 1,800                         | 27     | 22        | 219      | 2,000            |
| 17               |             |         |                            |         | 45,000   | 1,907   | 730   | 1,500  | 150  | 2,570   | 3,551   | 308   | 308   | 4,248   | 4,248   | 1,800                         | 27     | 22        | 219      | 2,000            |
| 18               |             |         |                            |         | 45,000   | 1,907   | 730   | 1,500  | 150  | 2,570   | 3,551   | 308   | 308   | 4,248   | 4,248   | 1,800                         | 27     | 22        | 219      | 2,000            |
| 19               |             |         |                            |         | 7,500  | 100   | 300   | 2,500  | 200  | 1,000   | 1,000   | 300   | 300   | 1,000   | 900   | 800                           | 6      | 6         | 271      | 800              |
| 20               |             |         |                            |         | 7,500  | 800   | 1,000   | 4,000  | 500  | 500   | 800   | 300   | 300   | 1,000   | 900   | 800                           | 16     | 24        | 940      | 1,600            |
| 21               | 2           |         | 2                          |         | 43,917   | 4,845   | 6,532   | 27,901   | 248  | 10,706  | 8,832   | 300   | 300   | 11,196  | 11,196  | 1,000                         | 19     | 18        | 887      | 1,600            |
| 22               |             |         |                            |         | 62,222   | 9,177   | 1,238   | 4,177  | 2,100  | 2,400   | 2,400   | 300   | 300   | 1,400   | 1,782   | 1,900                         | 116    | 116       | 1,232    | 22,600           |
| 23               | 8           | 30      | 38                         |         | 62,222   | 29,805  | 26,830  | 18,248   | 98   | 2,400   | 2,400   | 212   | 212   | 2,400   | 2,400   | 530                           | 87     | 108       | 167      | 4,500            |
| 24               |             |         |                            |         | 6,000  | 800   | 406   | 4,556  | 165  | 8,480   | 9,042   | 335   | 341   | 2,100   | 2,100   | 120                           | 15     | 80        | 465      | 2,800            |
| 25               |             |         |                            |         | 6,000  | 800   | 500   | 2,500  | 100  | 500   | 500   | 176   | 176   | 2,400   | 2,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 26               |             |         |                            |         | 6,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 290   | 290   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 27               |             |         |                            |         | 4,000  | 300   | 1,400   | 2,000  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 28               |             |         |                            |         | 4,000  | 300   | 1,400   | 2,000  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 29               |             |         |                            |         | 4,000  | 300   | 1,400   | 2,000  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 30               |             |         |                            |         | 4,000  | 300   | 1,400   | 2,000  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 31               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 32               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 33               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 34               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 35               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 36               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 37               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 38               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 39               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 40               |             |         |                            |         | 8,000  | 400   | 500   | 1,018  | 100  | 1,200   | 1,400   | 300   | 300   | 1,400   | 1,400   | 120                           | 15     | 80        | 465      | 2,800            |
| 41               | 1           |         | 1                          |         | 17,000   | 450   | 500   | 1,400  | 25   | 1,500   | 1,500   | 300   | 300   | 6,300   | 6,300   | 300                           | 25     | 42        | 1,044    | 5,000            |
| Total            | 141         | 72      | 213                        |         | \$67,188   | \$13,157  | \$ 238  | \$17,285   | \$ 8,500   | \$102,550   | \$107,981   | 300   | 300   | \$96,475  | \$96,475  | \$ 6,000                      | \$ 650 | \$1,989   | \$ 8,633 | \$1,515,115      |

CIGARS.

Table No. 31.—Continued.

| OFFICE<br>NUMBER | OFFICE HELP<br>Average amount paid each month to each class |                |                 |                |                  |                |                   |                |                    |                | STEMMERS                         |                                   |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   | CIGAR MAKERS                  |                                 |                                |                                  |                                 |                                   | CIGAR PACKERS                 |                                 |                                |                                  |  |  |
|------------------|---|----------------|-----------------|----------------|------------------|----------------|-------------------|----------------|--------------------|----------------|----------------------------------|-----------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|--|--|
|                  | Managers<br>and<br>Foremen                                  |                | Salesmen        |                | Book-<br>keepers |                | Clerks            |                | Steno-<br>graphers |                | Males employed under<br>16 years | Females employed<br>over 16 years | Males employed over<br>16 years | Females employed<br>over 16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Females employed<br>over 16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Females employed<br>over 16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females |  |  |
|                  | No. of<br>Males   | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males  | Amount<br>Paid | No. of<br>Females | Amount<br>Paid | No. of<br>Females  | Amount<br>Paid |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |  |  |
| 1.               | 2   | \$ 200         | 8               | \$ 150         | 4                | \$ 60          | 2                 | \$ 50          | 1                  | \$55           | 5                                | 8                                 | 11                              | 16                                | \$1.00                        | \$1.00                          | 8                              | 8                                | 125                             | 1                                 | \$2.50                        | \$2.50                          | 8                              | 8                                | 6                               |                                   | \$4.50                        |                                 | 8                              |                                  |  |  |
| 2.               | 1   | 80             | 1               | 75             |                  |                |                   |                |                    |                | 2                                | 8                                 | 3                               | 11                                | .90                           | .90                             | 8                              | 8                                | 42                              | 12                                | 1.80                          | 1.80                            | 8                              | 8                                | 3                               |                                   | 2.50                          |                                 | 8                              |                                  |  |  |
| 3.               | 1   | 200            |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   | .75                           | .75                             | 10                             | 10                               | 62                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                | 1                               |                                   | 1.50                          |                                 | 8                              |                                  |  |  |
| 4.               | 1   | 115            |                 |                |                  |                |                   |                |                    |                | 2                                | 1                                 | 1                               | 1                                 | .40                           | .40                             | 10                             | 10                               | 32                              | 1                                 | 2.00                          | 1.25                            | 8                              | 8                                | 1                               |                                   |                               |                                 | 8                              |                                  |  |  |
| 5.               | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .80                           | .80                             | 8                              | 8                                | 9                               | 1                                 | 2.00                          | 3.50                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 6.               | 1   |                |                 |                |                  |                |                   |                |                    |                | 4                                | 8                                 | 8                               | 2                                 | 1.00                          | 1.00                            | 10                             | 10                               | 58                              | 5                                 | 2.00                          | 3.50                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 7.               | 2   | 200            | 3               | 125            | 1                | 50             | 1                 | 25             |                    |                | 1                                | 1                                 | 1                               | 1                                 | .80                           | .80                             | 10                             | 10                               | 4                               | 1                                 | 1.92                          | .86                             | 8                              | 10                               |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 8.               | 1   | 150            |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   | .50                           | .50                             | 8                              | 8                                | 4                               | 1                                 | 2.00                          | .86                             | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 9.               | 1   | 60             |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .80                           | .80                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 10.              | 1   |                |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 11.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 12.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 13.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 14.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 15.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 16.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 17.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 18.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 19.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 20.              | 1   |                |                 |                |                  |                |                   |                |                    |                | 2                                | 2                                 | 2                               | 2                                 | .70                           | .70                             | 8                              | 8                                | 11                              | 2                                 | 2.00                          | 2.00                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 21.              | 1   | 70             | 8               | 58             | 1                | 75             | 1                 | 50             |                    |                | 1                                | 1                                 | 1                               | 1                                 | .75                           | .75                             | 9                              | 9                                | 16                              | 20                                | 2.25                          | .75                             | 8                              | 9                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 22.              | 1   | 65             | 1               | 58             | 1                | 60             |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 6                               | 3                                 | 1.75                          | .50                             | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 23.              | 1   | 60             | 1               | 60             |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 6                               | 3                                 | 1.75                          | .50                             | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 24.              | 1   |                |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 4                               | 7                                 | 1.50                          |                                 | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 25.              | 1   | 37             |                 |                |                  |                |                   |                |                    |                | 1                                | 8                                 |                                 |                                   | .50                           |                                 | 8                              | 8                                | 4                               | 4                                 | 1.30                          | 1.75                            | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 26.              | 1   |                |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 4                               | 4                                 | 1.40                          |                                 | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 27.              | 1   |                |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 4                               | 4                                 | 1.75                          |                                 | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 28.              | 1   |                |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 4                               | 4                                 | 2.00                          |                                 | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 29.              | 1   |                |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 4                               | 4                                 | 2.00                          |                                 | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 30.              | 1   |                |                 |                |                  |                |                   |                |                    |                |                                  |                                   |                                 |                                   |                               |                                 |                                |                                  | 4                               | 4                                 | 2.00                          |                                 | 8                              | 8                                |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| 31.              | 1   | 60             | 1               | 45             | 1                | 40             |                   |                |                    |                | 1                                | 8                                 |                                 |                                   | 1.00                          | 1.00                            | 8                              | 10                               | 10                              | 2                                 | 1.50                          |                                 | 8                              | 10                               |                                 |                                   |                               |                                 | 8                              |                                  |  |  |
| Totals           | 17  | \$1,387        | 19              | \$877          | 9                | \$325          | 5                 | \$125          | 1                  | \$55           | 23                               | 53                                | 29                              | 33                                | \$11.96                       | \$6.00                          | 152                            | 68                               | 376                             | 37                                | \$80.90                       | \$10.91                         | 256                            | 59                               | 13                              | 4                                 | \$12.50                       | \$2.00                          | 40                             | 19                               |  |  |



## TOBACCO FACTORIES.

Table No. 32, contains the tabulation of all complete reports received on this industry and reference to the aggregate net results there shown indicate that this line of manufacturing prospered during last year, although some of the small operators complain of the demoralization of their trade by the action of the trusts in combining to pervert business, and they suggest that a rigid enforcement of existing anti-trust laws, supplemented by such legislation as would make farmers prosper, would give the small manufacturers an equal chance with the larger ones.

The average number of persons employed in this industry in 1895 was 1,681; in 1896 the average was 1,583, a decrease of 98. The total number of days operated in 1896 was less than the previous year by 273, and the decrease in the amount of wages paid was \$63,314, notwithstanding which the average of wages was fully maintained.

The average monthly wages paid managers was \$166.85; salesmen, \$121.10; bookkeepers, males \$95.22, females \$150; clerks, males \$60.20, females \$45; stenographers, males \$62.50, females \$50.

Engineers and firemen were paid an average of \$2.74 for 9½ hours; foremen, males \$4 for 9¼ hours, females \$1.70 for 9 hours; pressmen, \$1.83 for 9 2-3 hours; stemmers, males 81 cents for 9½ hours, females 74 cents for 9 hours; machine operators, males \$1.57 for 9¼ hours, females \$1.17 for 9 1-3 hours; wrappers, males \$1.69 for 9½ hours, females \$1.14 for 9 2-5 hours; helpers, males \$1.34 for 9 4-5 hours, females 96 cents for 9½ hours.



Table No. 32.

## TOBACCO.

| OFFICE NUMBER | Corporation |         | Private firms—male members |       | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of all stock or material used during the year 1886 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 | TOTAL AMOUNT PAID IN 1886 FOR |          |           |       |           |       |
|---------------|-------------|---------|----------------------------|-------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|----------|-----------|-------|-----------|-------|
|               | Males       | Females | Total                      | Males |  |   |   |  |  |   |   |   |   |   |   | Females                       | Total    | Rent      | Taxes | Insurance | Total |
|               |             |         |                            |       |  |   |   |  |  |   |   |   |   |   |   |                               |          |           |       |           |       |
| 1             | .....       | .....   | .....                      | ..... | \$ 20,000  | \$2,000   | \$2,500   | \$ 18,000  | \$250  | \$1,400   | 200   | 200   | \$17,500                                      | \$15,000  | .....   | \$ 110                        | \$ 840   | \$ 450    |       |           |       |
| 2             | .....       | .....   | .....                      | ..... | 300,000  | 2,500   | 2,500   | 297,500  | 300  | 11,500  | 270   | 260   | 23,000  | 23,000  | .....   | 424                           | 1,126    | 1,619     |       |           |       |
| 3             | .....       | .....   | .....                      | ..... | 300,000  | 45,171  | 36,018  | 263,857  | 13,327   | 31,519  | 270   | 260   | 23,000  | 23,000  | .....   | 1,751                         | 14,731   | 51,071    |       |           |       |
| 4             | .....       | .....   | .....                      | ..... | 4,172,988  | 279,371   | 272,728   | 1,400,257  | 289,727  | 539,311   | 374   | 364   | 313,748                                       | 313,748   | \$25,566  | 10,777                        | 1,197    | 2,071     |       |           |       |
| 5             | .....       | .....   | .....                      | ..... | 171,148  | 20,355  | 16,722  | 154,426  | 4,426  | 18,069  | 301   | 301   | 33,322  | 33,322  | .....   | 1,100                         | 1,043    | 2,143     |       |           |       |
| 6             | .....       | .....   | .....                      | ..... | 141,000  | 1,000   | 1,200   | 140,000  | 1,000  | 18,000  | 300   | 300   | 14,000  | 14,000  | .....   | 180                           | 1,043    | 2,143     |       |           |       |
| 7             | .....       | .....   | .....                      | ..... | 11,752   | 655   | 700   | 11,052   | 4,000  | 18,000  | 276   | 276   | 7,000   | 7,000   | .....   | 100                           | 1,043    | 2,143     |       |           |       |
| 8             | .....       | .....   | .....                      | ..... | 59,874   | 4,370   | 2,241   | 57,633   | 9,021  | 33,562  | 264   | 264   | 2,000   | 2,000   | .....   | 1,531                         | 941      | 19,542    |       |           |       |
| 9             | .....       | .....   | .....                      | ..... | 588,673  | 17,570  | 22,245  | 566,428  | 23,071   | 104,723   | 268   | 270   | 47,441  | 47,441  | .....   | 183,310                       | 1,811    | 122,961   |       |           |       |
| 10            | .....       | .....   | .....                      | ..... | 34,000   | 6,100   | 7,700   | 26,300   | 1,900  | 12,000  | 313   | 313   | 4,000   | 4,000   | .....   | 600                           | 700      | 9,700     |       |           |       |
| 11            | .....       | .....   | .....                      | ..... | 39,540   | 7,178   | 9,540   | 30,000   | 1,171  | 12,000  | 222   | 222   | 4,000   | 4,000   | 540   | 8,227                         | 439      | 9,206     |       |           |       |
| Totals        | .....       | .....   | 111                        | 8     | 10 \$5,590,147   | \$288,104   | \$287,936   | \$5,302,211  | \$276,877  | \$1,479,779   | 8,000   | 2,727   | \$488,385                                     | \$488,385                                       | \$28,709  | \$221,370                     | \$21,011 | \$281,140 |       |           |       |

TOBACCO.

Table No. 32—Continued.

| OFFICE<br>NUMBER | Capital Invested | OFFICE HELP<br>Average amount paid each month to each class |                |                 |                |                 |                |                   |                |                   |                |                                 |                               | FOREMEN                        |                                  |                                 | PRESSMEN                      |                                |                                 |                                  |                                 |                               | ENGINEERS                      |        |    |         |    |
|------------------|------------------|---|----------------|-----------------|----------------|-----------------|----------------|-------------------|----------------|-------------------|----------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|--------|----|---------|----|
|                  |                  | Managers<br>and<br>Foremen                                  |                | Salesmen        |                | Book-keepers    |                | Clerks            |                | Stenographers     |                | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed under<br>16 years | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>females | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |        |    |         |    |
|                  |                  | No. of<br>Males   | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females | Amount<br>Paid | No. of<br>Females | Amount<br>Paid |                                 |                               |                                |                                  |                                 |                               |                                |                                 |                                  |                                 |                               |                                |        |    |         |    |
|                  |                  |   |                |                 |                |                 |                |                   |                |                   |                |                                 |                               |                                |                                  |                                 |                               |                                |                                 |                                  |                                 |                               |                                |        |    |         |    |
| 1                | \$ 8,000         | 1   | \$75           | 1               | \$100          | 1               | \$100          | 1                 | \$60           | 1                 | \$75           | 1                               | \$2.88                        | 10                             | 14                               | \$2.80                          | 10                            | 10                             | 10                              | 1                                | 1.25                            | 10                            | 10                             | \$1.50 | 10 |         |    |
| 2                | 21,500           | 4   | 115            | 12              | 216            | 1               | 140            | 1                 | 80             | 1                 | 87             | 6                               | 4.00                          | 10                             | 10                               | 2.00                            | 10                            | 10                             | 10                              | 7                                | 2.25                            | 10                            | 10                             | 2.50   | 10 |         |    |
| 3                | 125,000          | 4   | 422            | 112             | 122            | 6               | 175            | 2                 | 89             | 1                 | 88             | 6                               | 2.65                          | 10                             | 10                               | 1.16                            | 10                            | 10                             | 10                              | 1                                | 3.00                            | 9                             | 10                             | 3.00   | 9  |         |    |
| 4                | 1,000,000        | 2   | 117            | 14              | 178            | 1               | 100            | 2                 | 86             | 1                 | 86             | 2                               | 2.50                          | 9                              | 10                               | 2.50                            | 10                            | 9                              | 1                               | 2.70                             | 9                               | 10                            | 2.70                           | 9      |    |         |    |
| 5                | 200,000          | 2   | 200            | 9               | 160            | 2               | 100            | 1                 | 60             | 1                 | 50             | 4                               | 7.00                          | 9                              | 25                               | 2.00                            | 9                             | 9                              | 1                               | 4.50                             | 9                               | 10                            | 4.50                           | 9      |    |         |    |
| 6                | 50,000           | 2   | 139            | 1               | 86             | 2               | 77             | 8                 | 75             | 1                 | 50             | 4                               | 7.00                          | 9                              | 25                               | 2.00                            | 9                             | 9                              | 1                               | 2.70                             | 9                               | 10                            | 2.70                           | 9      |    |         |    |
| 7                | 84,130           | 2   | 139            | 1               | 86             | 2               | 77             | 8                 | 75             | 1                 | 50             | 4                               | 7.00                          | 9                              | 25                               | 2.00                            | 9                             | 9                              | 1                               | 4.50                             | 9                               | 10                            | 4.50                           | 9      |    |         |    |
| 8                | 180,000          | 1   | 100            | 1               | 167            | 1               | 86             | 1                 | 52             | 1                 | 52             | 1                               | 2.00                          | 10                             | 10                               | 2.00                            | 10                            | 10                             | 1                               | 2.50                             | 10                              | 10                            | 2.50                           | 10     |    |         |    |
| 9                | 10,000           | 1   | 100            | 1               | 167            | 1               | 86             | 1                 | 52             | 1                 | 52             | 1                               | 2.00                          | 10                             | 10                               | 2.00                            | 10                            | 10                             | 1                               | 2.50                             | 10                              | 10                            | 2.50                           | 10     |    |         |    |
| 10               | 75,000           | 1   | 100            | 1               | 167            | 1               | 86             | 1                 | 52             | 1                 | 52             | 1                               | 2.00                          | 10                             | 10                               | 2.00                            | 10                            | 10                             | 1                               | 2.50                             | 10                              | 10                            | 2.50                           | 10     |    |         |    |
| 11               | 75,000           | 1   | 100            | 1               | 167            | 1               | 86             | 1                 | 52             | 1                 | 52             | 1                               | 2.00                          | 10                             | 10                               | 2.00                            | 10                            | 10                             | 1                               | 2.50                             | 10                              | 10                            | 2.50                           | 10     |    |         |    |
| Totals           | \$1,789,650      | 23  | \$1,168        | 170             | \$1,211        | 17              | \$837          | 31                | \$301          | 11                | \$45           | 2                               | \$125                         | 4                              | \$100                            | 17                              | \$20.01                       | 48                             | 14                              | 74                               | 25                              | \$16.49                       | \$0.92                         | 9      | 13 | \$16.45 | 57 |

Table No. 32—Continued.

## TOBACCO.

| OFFICE NUMBER | STEMMERS                      |                                 |                              |                                |                           |                             |                            |                              | MACHINE OPERATORS            |                                |                           |                             |                            |                              |                              |                                | WRAPPERS                  |                             |                            |                              |                              |                                |                           |                             | HELPERS                    |                              |                              |                                |                           |                             |                            |                              |
|---------------|-------------------------------|---------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|
|               | Males employed under 16 years | Females employed under 16 years | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |
| 1             | 11                            | 8                               | 8                            | 10                             | \$2.00                    | \$1.00                      | 9                          | 10                           | 9                            | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 11                           | 9                              | \$2.00                    | \$1.00                      | 10                         | 10                           | 11                           | 9                              | \$2.00                    | \$1.00                      | 10                         | 10                           | 11                           | 9                              | \$2.00                    | \$1.00                      | 10                         | 10                           |
| 2             | 12                            | 19                              | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 3             | 20                            | 10                              | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 4             | 2                             | 2                               | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 5             | 6                             | 8                               | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 6             | 14                            | 14                              | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 7             | 14                            | 14                              | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 8             | 6                             | 8                               | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 9             | 14                            | 14                              | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 10            | 14                            | 14                              | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| 11            | 14                            | 14                              | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           | 10                           | 10                             | 1.00                      | 1.00                        | 10                         | 10                           |
| Totals        | 47                            | 656                             | 68                           | 55                             | \$6.50                    | \$4.42                      | 76                         | 76                           | 55                           | 20                             | \$3.23                    | \$3.50                      | 76                         | 76                           | 167                          | 64                             | \$3.56                    | \$3.71                      | 77                         | 47                           | 277                          | 76                             | \$3.71                    | \$3.84                      | 49                         | 38                           | 16                           | 47                             | \$3.84                    | \$3.84                      | 49                         | 38                           |

## BREWERIES.

All of the reports received on this industry—18 in number—are tabulated in Table No. 33, reference to which shows that these manufacturers prospered as a result of their operations during 1896 and very few of them offer any suggestions or present any complaints with reference to their business.

During 1895 they employed an average of 3,067 persons; in 1896 the average was 3,133. The total number of days operated in 1895 exceeded last year by 210, while the amount of wages paid last year exceeded the previous year by \$52,539.

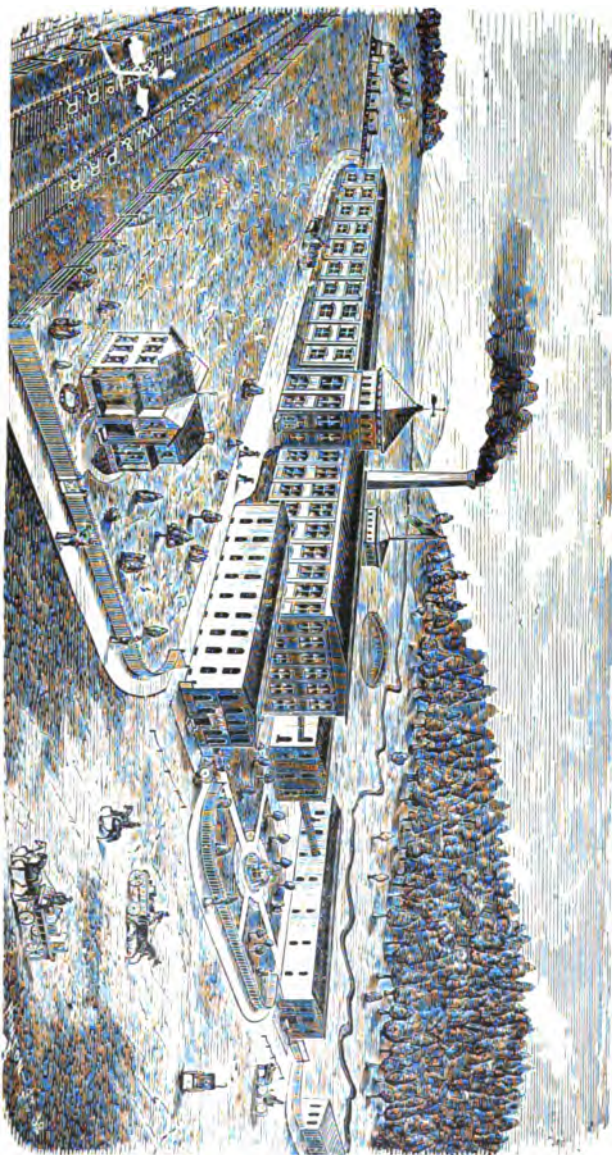
Managers were paid an average monthly salary of \$148.68; salesmen, \$96.50; bookkeepers, males \$86.20, females \$52.50; stenographers, males \$72.50, females \$67.50.

The average daily wages paid engineers and firemen was \$2.11 for 10 6-7 hours; machinists, \$2.42 for 10 hours; brewers, \$2.33 for 10 1-5 hours; coopers, \$2.27 for 10 hours; drivers, \$1.78 for 10½ hours; laborers, males \$1.45 and females 86 cents for 10 hours; bottlers, males \$1.32 and females 70 cents for 10 hours.

Table No. 33.

## BREWERIES.

| OFFICE NUMBER |         |         |                            |               |   |  |  |   |  |   |  |  |  |  |  |
|---------------|---------|---------|----------------------------|---------------|---|--|--|---|--|---|--|--|--|--|--|
| Corporation   | Members |         | Private firms—male members |               | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896. | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 |
|               | Males   | Females | Total                      | Total         |   |  |  |   |  |   |  |  |  |  |  |
| 1             | 5       | 2       | 7                          | \$ 120,123    | \$ 62,148   | \$ 52,200  | \$ 37,918  | \$ 11,755   | \$ 8,712   | \$ 4,774  | 265  | 158  | 313  | \$ 16,977  | \$ 16,977  |
| 2             | 2       | 2       | 4                          | 55,125        | 52,639  | 441  | 18,600   | 29,829  | 10,000   | 10,000  | 10,000   | 313  | 312  | 312  | 32,663   |
| 3             | 2       | 2       | 4                          | 65,000        | 10,000  | 10,000   | 16,000   | 8,000   | 10,000   | 10,000  | 10,000   | 312  | 312  | 312  | 11,900   |
| 4             | 3       | 3       | 6                          | 457,000       | 28,848  | 22,204   | 91,527   | 47,129  | 32,735   | 38,402  | 38,402   | 365  | 365  | 365  | 64,073   |
| 5             | 6       | 1       | 7                          | 109,131       | 7,377   | 11,463   | 16,600   | 6,196   | 8,067  | 3,432   | 3,432  | 360  | 360  | 360  | 14,000   |
| 6             | 1       | 1       | 2                          | 46,000        | 8,400   | 8,400  | 6,000  | 6,200   | 9,000  | 9,000   | 9,000  | 365  | 365  | 365  | 7,000  |
| 7             | 2       | 1       | 3                          | 65,963        | 8,008   | 8,013  | 18,742   | 4,216   | 242  | 968   | 968  | 365  | 365  | 365  | 10,000   |
| 8             | 5       | 5       | 10                         | 17,136        | 6,108   | 2,778  | 9,966  | 6,499   | 5,000  | 5,000   | 5,000  | 365  | 365  | 365  | 4,808  |
| 9             | 5       | 5       | 10                         | 97,944        | 4,123   | 5,467  | 16,723   | 8,218   | 106  | 872   | 872  | 365  | 365  | 365  | 6,908  |
| 10            | 3       | 3       | 6                          | 12,150        | 198   | 230  | 6,620  | 643   | 57   | 82  | 82   | 313  | 325  | 325  | 1,280  |
| 11            | 3       | 1       | 4                          | 3,640         | 300   | 247,066  | 900,401  | 324,860   | 4,840  | 4,840   | 4,840  | 180  | 180  | 180  | 4,780  |
| 12            | 4       | 4       | 8                          | 8,294,280     | 2,496   | 247,066  | 900,401  | 324,860   | 20,000   | 210,000   | 210,000  | 365  | 365  | 365  | 733,320  |
| 13            | 4       | 4       | 8                          | 21,754        | 551   | 1,239  | 3,864  | 3,410   | 14,106   | 14,863  | 14,863   | 270  | 259  | 259  | 4,821  |
| 14            | 4       | 4       | 8                          | 278,000       | 60,000  | 70,000   | 240,000  | 75,000  | 47,800   | 62,400  | 62,400   | 364  | 364  | 364  | 45,700   |
| 15            | 3       | 3       | 6                          | 1,675,000     | 262,000   | 284,000  | 222,000  | 91,000  | 160,000  | 142,000   | 142,000  | 365  | 365  | 365  | 276,000  |
| 16            | 4       | 8       | 12                         | 2,211,000     | 566,600   | 566,600  | 646,000  | 343,000   | 283,000  | 367,000   | 367,000  | 360  | 360  | 360  | 540,000  |
| 17            | 5       | 1       | 6                          | 100,000       | 10,000  | 8,000  | 12,000   | 2,364   | 283,000  | 367,000   | 367,000  | 365  | 365  | 365  | 14,627   |
| 18            | 4       | 4       | 8                          | 194,134       | 3,060   | 2,724  | 12,000   | 2,364   | 283,000  | 367,000   | 367,000  | 313  | 313  | 313  | 7,200  |
| Totals        | 68      | 14      | 82                         | 2 \$8,673,637 | \$1,031,228   | \$1,305,804  | \$2,290,884  | \$667,130   | \$773,353  | \$820,368   | \$820,368  | 6,020  | 5,829  | \$1,756,165  | \$1,808,704  |



WOOLEN MILLS OF BUELL MFG. CO., ST. JOSEPH, MO.



Table No. 33—Continued

## BREWERIES.

| OFFICE NUMBER. | TOTAL AMOUNT PAID IN 1906 FOR |             |           |             | Capital invested | Average amount paid each month to each class |                      |              |             |              |              |              |             |              |                |              |                              | ENGINEERS AND FIREMEN     |                            |             |                |
|----------------|-------------------------------|-------------|-----------|-------------|------------------|--|----------------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|----------------|--------------|------------------------------|---------------------------|----------------------------|-------------|----------------|
|                | Rent                          | Taxes       | Insurance | Total       |                  | No. of Males                                 | Managers and Foremen |              | Salesmen    |              | Book-keepers |              | Clerks      |              | Steno-graphers |              | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males |             |                |
|                |                               |             |           |             |                  |  | Amount Paid          | No. of Males | Amount Paid | No. of Males | Amount Paid  | No. of Males | Amount Paid | No. of Males | Amount Paid    | No. of Males |                              |                           |                            | Amount Paid | No. of Females |
|                |                               |             |           |             |                  |  |                      |              |             |              |              |              |             |              |                |              |                              |                           |                            |             |                |
| 1              | \$74                          | \$49        | \$ 823    | \$ 2,243    | \$ 20,000        | 2  | \$208                | 2            | \$70        | 1            | \$25         | 3            | \$77        | 1            | 1              | 4            | \$2.85                       | 12                        |                            |             |                |
| 2              |                               |             |           |             | 4,000            | 1  | 70                   | 2            | 73          | 1            | 60           | 1            | 60          | 1            | 1              | 3            | 2.75                         | 12                        |                            |             |                |
| 3              | 4,000                         | 575         | 900       | 5,475       | 90,000           | 1  | 125                  | 1            | 75          | 1            | 100          | 5            | 60          | 1            | 75             | 11           | 2.90                         | 10                        |                            |             |                |
| 4              |                               | 3,661       | 7,818     | 11,479      | 500,000          | 3  | 150                  | 10           | 100         | 6            | 80           | 5            | 60          | 1            | 16             | 4            | 2.12                         | 12                        |                            |             |                |
| 5              |                               | 1,120       | 1,173     | 2,293       | 160,000          | 3  | 100                  | 2            | 75          | 1            | 50           | 1            | 50          | 1            | 15             | 3            | 1.41                         | 10                        |                            |             |                |
| 6              |                               | 125         | 380       | 495         | 22,500           | 1  | 125                  | 2            | 50          | 1            | 50           | 1            | 50          | 1            | 1              | 3            | 1.87                         | 10                        |                            |             |                |
| 7              |                               | 267         | 267       | 534         | 90,000           | 1  | 100                  | 2            | 50          | 1            | 50           | 1            | 50          | 1            | 1              | 3            | 1.87                         | 10                        |                            |             |                |
| 8              |                               | 331         | 438       | 769         | 25,000           | 1  | 75                   | 1            | 80          | 1            | 65           | 1            | 65          | 1            | 1              | 4            | 1.86                         | 12                        |                            |             |                |
| 9              |                               | 932         | 458       | 1,390       | 50,000           | 1  | 100                  | 1            | 75          | 1            | 65           | 1            | 65          | 1            | 1              | 4            | 1.87                         | 12                        |                            |             |                |
| 0              |                               | 90          | 114       | 1,044       | 10,000           | 1  | 50                   | 1            | 50          | 1            | 150          | 23           | 75          | 1            | 100            | 215          | 1.70                         | 10                        |                            |             |                |
| 1              |                               | 43          | 45        | 495         | 10,000           | 1  | 50                   | 1            | 50          | 1            | 150          | 23           | 75          | 1            | 100            | 215          | 1.70                         | 10                        |                            |             |                |
| 2              |                               | 697,879     | 43,588    | 761,233     | 5,250,000        | 80   | 300                  | 20           | 165         | 16           | 150          | 23           | 75          | 1            | 100            | 215          | 1.70                         | 10                        |                            |             |                |
| 3              |                               | 2,868       | 184       | 8,042       | 37,500           | 2  | 80                   | 3            | 125         | 8            | 100          | 10           | 80          | 2            | 100            | 6            | 2.50                         | 10                        |                            |             |                |
| 4              |                               | 3,840       | 1,100     | 4,940       | 300,000          | 1  | 206                  | 3            | 125         | 8            | 125          | 10           | 80          | 2            | 100            | 6            | 2.50                         | 10                        |                            |             |                |
| 5              |                               | 309,000     | 22,500    | 331,500     | 2,500,000        | 15   | 500                  | 28           | 150         | 8            | 125          | 83           | 105         | 105          | 105            | 79           | 2.20                         | 10                        |                            |             |                |
| 6              |                               | 782,000     | 32,000    | 764,000     | 240,000          | 2  | 88                   | 8            | 75          | 1            | 75           | 1            | 68          | 1            | 68             | 4            | 2.13                         | 12                        |                            |             |                |
| 7              | 9,000                         | 782,178     | 434       | 9,898       | 50,000           | 2  | 100                  | 2            | 88          | 2            | 65           | 1            | 60          | 1            | 60             | 4            | 2.13                         | 12                        |                            |             |                |
| 8              |                               | 668         | 434       | 9,898       | 75,000           | 4  | 100                  | 2            | 88          | 2            | 65           | 1            | 60          | 1            | 60             | 4            | 2.13                         | 12                        |                            |             |                |
| Totals         | \$44,950                      | \$1,744,068 | \$111,923 | \$1,900,966 | \$6,384,000      | 68   | \$2,879              | 86           | \$1,351     | 47           | \$1,268      | 76           | \$517       | 5            | \$330          | 7            | \$29.40                      | 152                       |                            |             |                |



BREWERIES.

Table No. 33—Continued.

| OFFICE NUMBER | MACHINISTS                   |                           |                            | BREWERS                      |                           |                            | COOPERS                      |                           |                            | DRIVERS                      |                           |                            | LABORERS                     |                           |                            | BOTTTLERS                    |                           |                            |
|---------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|
|               | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males |
| 1             | 2                            | \$2.00                    | 10                         | 12                           | \$2.71                    | 10                         | 8                            | \$2.25                    | 10                         | 9                            | \$1.72                    | 10                         | 10                           | \$1.20                    | 10                         | 10                           | 10                        | 10                         |
| 2             | 3                            | 2.75                      | 10                         | 26                           | 2.65                      | 10                         | 10                           | 2.50                      | 10                         | 9                            | 2.25                      | 10                         | 16                           | 2.00                      | 10                         | 6                            | 1.50                      | 10                         |
| 3             | 4                            | 1.75                      | 10                         | 7                            | 2.60                      | 10                         | 10                           | 2.50                      | 10                         | 22                           | 2.00                      | 10                         | 23                           | 1.75                      | 10                         | 10                           | \$1.50                    | 10                         |
| 4             | 1                            | 2.00                      | 10                         | 1                            | 2.00                      | 10                         | 10                           | 10                        | 10                         | 6                            | 2.00                      | 10                         | 8                            | 1.55                      | 10                         | 10                           | 1.50                      | 10                         |
| 5             | 7                            | 2.00                      | 10                         | 1                            | 1.70                      | 10                         | 10                           | 10                        | 10                         | 4                            | 1.00                      | 10                         | 12                           | 1.10                      | 10                         | 1                            | 1.50                      | 10                         |
| 6             | 1                            | 2.00                      | 10                         | 1                            | 2.20                      | 10                         | 10                           | 10                        | 10                         | 22                           | 1.75                      | 14                         | 8                            | 1.25                      | 10                         | 2                            | 1.50                      | 10                         |
| 7             | 1                            | 2.55                      | 14                         | 1                            | 1.50                      | 12                         | 10                           | 10                        | 10                         | 4                            | 1.00                      | 10                         | 10                           | 1.50                      | 10                         | 2                            | 1.50                      | 10                         |
| 8             | 1                            | 2.55                      | 14                         | 1                            | 1.50                      | 12                         | 10                           | 10                        | 10                         | 22                           | 1.75                      | 14                         | 8                            | 1.25                      | 10                         | 2                            | 1.50                      | 10                         |
| 9             | 1                            | 2.55                      | 14                         | 1                            | 1.50                      | 12                         | 10                           | 10                        | 10                         | 4                            | 1.00                      | 10                         | 10                           | 1.50                      | 10                         | 2                            | 1.50                      | 10                         |
| 10            | 1                            | 2.55                      | 14                         | 1                            | 1.50                      | 12                         | 10                           | 10                        | 10                         | 4                            | 1.00                      | 10                         | 10                           | 1.50                      | 10                         | 2                            | 1.50                      | 10                         |
| 11            | 1                            | 2.55                      | 14                         | 1                            | 1.50                      | 12                         | 10                           | 10                        | 10                         | 4                            | 1.00                      | 10                         | 10                           | 1.50                      | 10                         | 2                            | 1.50                      | 10                         |
| 12            | 2                            | 1.50                      | 10                         | 45                           | 1.70                      | 10                         | 10                           | 1.75                      | 10                         | 20                           | 1.70                      | 10                         | 5                            | 1.50                      | 10                         | 14                           | 1.55                      | 10                         |
| 13            | 2                            | 1.50                      | 10                         | 45                           | 1.70                      | 10                         | 10                           | 1.75                      | 10                         | 20                           | 1.70                      | 10                         | 5                            | 1.50                      | 10                         | 14                           | 1.55                      | 10                         |
| 14            | 40                           | 1.75                      | 10                         | 22                           | 2.25                      | 10                         | 10                           | 2.25                      | 10                         | 24                           | 2.00                      | 10                         | 10                           | 1.50                      | 10                         | 100                          | 1.50                      | 10                         |
| 15            | 40                           | 1.75                      | 10                         | 22                           | 2.25                      | 10                         | 10                           | 2.25                      | 10                         | 24                           | 2.00                      | 10                         | 10                           | 1.50                      | 10                         | 100                          | 1.50                      | 10                         |
| 16            | 1                            | 5.00                      | 10                         | 4                            | 2.50                      | 10                         | 75                           | 2.25                      | 10                         | 6                            | 1.75                      | 10                         | 168                          | 1.00                      | 10                         | 400                          | 1.00                      | 10                         |
| 17            | 1                            | 5.00                      | 10                         | 4                            | 2.50                      | 10                         | 75                           | 2.25                      | 10                         | 6                            | 1.75                      | 10                         | 168                          | 1.00                      | 10                         | 400                          | 1.00                      | 10                         |
| 18            | 1                            | 5.00                      | 10                         | 4                            | 2.50                      | 10                         | 75                           | 2.25                      | 10                         | 6                            | 1.75                      | 10                         | 168                          | 1.00                      | 10                         | 400                          | 1.00                      | 10                         |
| Totals        | 58                           | \$24.20                   | 98                         | 937                          | \$33.53                   | 142                        | 131                          | \$11.57                   | 50                         | 469                          | \$24.99                   | 145                        | 316                          | \$21.72                   | 150                        | 127                          | \$11.55                   | 92                         |

## DISTILLERIES.

Table No. 34 contains the tabulation of all reports received on this industry. The answers given to Question 14 indicate that the results of operations in this line of manufacturing were generally unsatisfactory in 1896. No special causes are assigned for this condition, or suggestions advanced for its betterment.

The average number of persons employed in 1895 was 79; in 1896 the average was 74. While the total number of days operated last year varied but little from 1895, the decrease in the amount of wages paid was \$8,326.

The average monthly salary paid managers was \$106.25 for males and \$75 for females; salesmen, \$177.80; bookkeepers, \$132; clerks, \$59.

Engineers and firemen were paid \$2.38 for 9½ hours; distillers, \$1.81 for 9 6-7 hours; millers, \$2.25 for 8 hours; coopers, \$1.72 for 9¼ hours; drivers, \$1.82 for 10 hours; laborers, \$1.28 for 9 4-5 hours.

Table No. 34.

## DISTILLERIES.

| OFFICE<br>NUMBER | Corporation |         | Members |       | Private firms—male members |       | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT<br>PAID IN 1896<br>FOR |           |         |          |           | Capital invested |
|------------------|-------------|---------|---------|-------|----------------------------|-------|---|--|--|---|--|--|--|--|--|--|--|-------------------------------------|-----------|---------|----------|-----------|------------------|
|                  | Males       | Females | Total   | Total | Total                      | Rent  |   |  |  |   |  |  |  |  |  |  |  | Taxes                               | Insurance | Total   |          |           |                  |
|                  |             |         |         |       |                            |       |   |  |  |   |  |  |  |  |  |  |  |                                     |           |         |          |           |                  |
| 1.....           | 3           | 1       | 3       | ..... | .....                      | ..... | \$ 53,044   | \$ 459   | \$ 637   | \$17,531  | \$13,932   | \$ 3,673   | \$ 1,823   | 300  | 312  | \$ 3,223   | \$ 580   | \$ 500                              | \$ 97     | \$ 494  | \$ 1,001 | \$25,000  |                  |
| 2.....           | .....       | .....   | .....   | ..... | .....                      | ..... | 1,030,000   | 35,230   | 40,930   | \$12,460  | 9,042  | 23,551   | 33,933   | 310  | 310  | 4,537  | 4,230  | 285                                 | 733       | 1,163   | 2,177    | 250,000   |                  |
| 3.....           | .....       | .....   | .....   | ..... | .....                      | ..... | 11,000  | 25,000   | 25,000   | 10,150  | 3,000  | 26,000   | 26,000   | 310  | 310  | 4,000  | 4,000  | 400                                 | 800       | 700     | 150,000  |           |                  |
| 4.....           | .....       | .....   | .....   | ..... | .....                      | ..... | 2,805   | 281  | 1,177  | 175   | 100  | 996  | 291  | 27   | 60   | 40   | 100  | .....                               | .....     | .....   | .....    | 100       | 500              |
| 5.....           | 4           | .....   | 4       | ..... | .....                      | ..... | 2,500   | 4,800  | 5,500  | 450   | 385  | 100  | 20   | 140  | 126  | 510  | 510  | .....                               | .....     | .....   | 30       | 5,000     |                  |
| 6.....           | 4           | .....   | 4       | ..... | .....                      | ..... | 50,000  | 3,000  | 4,500  | 40,000  | .....  | 8,800  | 5,120  | 138  | 105  | 6,310  | 5,310  | 632                                 | 2,310     | 2,933   | 2,933    | 100,000   |                  |
| 7.....           | 5           | .....   | 5       | ..... | .....                      | ..... | 60,000  | .....  | .....  | 25,000  | 8,000  | .....  | .....  | 305  | 305  | 15,000   | 12,500   | 276                                 | 150       | 6,423   | 6,423    | 175,000   |                  |
| Totals.....      | 18          | 1       | 19      | ..... | .....                      | ..... | \$ 1,262,430  | \$63,863   | \$77,754   | \$905,996   | \$23,519   | \$67,025   | \$71,337   | 1,520  | 1,518  | \$41,836   | \$33,510   | \$6,735                             | \$2,150   | \$4,413 | \$13,357 | \$705,900 |                  |

DISTILLERIES.

Table No. 34.—Continued.

| OFFICE<br>NUMBER | OFFICE HELP<br>Average amount paid each month<br>to each class |                |                 |                |                  |                |                 |                | ENGINEERS<br>AND<br>FIREMEN     |                               |                                | DISTILLERS                      |                               |                                | MILLERS                         |                               |                                | COOPERS                         |                               |                                | DRIVERS                         |                               |                                | LABORERS                        |                               |                                |
|------------------|--|----------------|-----------------|----------------|------------------|----------------|-----------------|----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|
|                  | Managers<br>and<br>Foremen                                     |                | Salesmen        |                | Book-<br>keepers |                | Clerks          |                | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>10 years | Average daily wages—<br>males | Hours of daily labor—<br>males |
|                  |  |                |                 |                |                  |                |                 |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |
| 1.....           | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | 1                               | \$3.33                        | 8                              | 8                               | \$2.43                        | 8                              | 1                               | \$1.50                        | 8                              | 1                               | \$2.25                        | 8                              | 1                               | \$1.50                        | 8                              | 1                               | \$1.50                        | 8                              |
| 2.....           | 1  | 125            | 1               | 150            | 1                | 86             | 2               | 86             | 1                               | 2.45                          | 10                             | 10                              | 2.25                          | 10                             | 1                               | 2.25                          | 10                             | 1                               | 2.25                          | 10                             | 1                               | 2.25                          | 10                             | 1                               | 1.82                          | 10                             |
| 3.....           | 1  | 100            | 8               | 97             | 2                | 86             | 2               | 86             | 1                               | 2.45                          | 10                             | 10                              | 1.50                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.10                          | 10                             |
| 4.....           | 1  | 100            | 8               | 97             | 2                | 86             | 2               | 86             | 1                               | 2.45                          | 10                             | 10                              | 1.50                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.10                          | 10                             |
| 5.....           | 1  | 100            | 8               | 97             | 2                | 86             | 2               | 86             | 1                               | 2.45                          | 10                             | 10                              | 1.50                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.10                          | 10                             |
| 6.....           | 1  | 100            | 8               | 97             | 2                | 86             | 2               | 86             | 1                               | 2.45                          | 10                             | 10                              | 1.50                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.40                          | 10                             | 2                               | 1.10                          | 10                             |
| 7.....           | 2  | 250            | 8               | 217            | 1                | 150            | 1               | 76             | 8                               | 2.25                          | 10                             | 10                              | 2.25                          | 10                             | 1                               | 1.75                          | 9                              | 1                               | 1.75                          | 9                              | 1                               | 1.75                          | 9                              | 1                               | 1.50                          | 10                             |
| Totals .....     | 6  | \$650          | 9               | \$689          | 6                | \$680          | 8               | \$236          | 6                               | \$2.53                        | 38                             | 31                              | \$12.68                       | 60                             | 2                               | \$2.25                        | 8                              | 5                               | \$6.90                        | 87                             | 4                               | \$3.65                        | 20                             | 28                              | \$6.42                        | 49                             |



## MALT FACTORIES.

The reports received on this industry are tabulated in Table No. 35.

Complaint is made that the use by brewers of substitutes for barley malt is injuring this business.

The average number of persons employed varied but little in the past two years.

The total number of days operated last year exceeded the previous year by 129, and the excess in the amount of wages paid was \$1,506.

Managers were paid an average of \$230 per month; salesmen, \$150; bookkeepers, \$83; clerks, \$44.50.

The average wages paid engineers and firemen was \$2.50 for 10 hours; malsters, \$1.97 for 10¼ hours.

Table No. 35.

MALT.

| OFFICE NUMBER | Corporation |         |       | Members |         |       | Private firms—male members |          |          | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 |
|---------------|-------------|---------|-------|---------|---------|-------|----------------------------|----------|----------|--|---|---|--|--|---|---|---|---|---|---|
|               | Males       | Females | Total | Males   | Females | Total | Males                      | Females  | Total    |  |   |   |  |  |   |   |   |   |   |   |
|               |             |         |       |         |         |       |                            |          |          |  |   |   |  |  |   |   |   |   |   |   |
| 1             | 2           | 1       | 3     | 1       | 1       | 2     | 1                          | 1        | 2        | \$69,500   | \$23,500  | \$25,000  | \$95,000   | 2,806  | \$25,000  | \$27,800  | 128   | 138   | \$2,045   | \$2,216   |
| 2             | 4           | 1       | 5     | 2       | 2       | 4     | 3,800                      | 41,059   | 44,859   | 41,059   | 5,073   | 35,986  | 41,059   | 1,907  | \$25,000  | \$27,800  | 219   | 219   | 8,460   | 8,790   |
| 3             | 3           | 2       | 5     | .....   | .....   | ..... | .....                      | .....    | .....    | .....  | .....   | .....   | .....  | 2,626  | .....   | .....   | 290   | 290   | 2,287   | 2,305   |
| 4             | .....       | .....   | ..... | .....   | .....   | ..... | .....                      | .....    | .....    | 12,802   | .....   | .....   | .....  | .....  | .....   | .....   | 360   | 360   | 3,063   | 4,081   |
| Totals        | .....       | 6       | 3     | 9       | 2       | 2     | \$153,361                  | \$28,573 | \$60,996 | \$107,059  | \$10,541  | \$68,810  | \$101,820  | 818  | \$68,810  | \$101,820   | 818   | 947   | \$15,828  | \$17,824  |

Table No. 35.—Continued.

MALT.

| OFFICE NUMBER | TOTAL AMOUNT PAID IN<br>1886 FOR |         |           |          | Capital invested |                          |                 |                |                 |                  |                 |                |                 |                                 |                               |                                | OFFICE HELP<br>Average amount paid each month to<br>each class |                               |                                |                                 |                               |                                |    |        | ENGINEERS |    |  |  | MALSTERS |  |  |  |
|---------------|----------------------------------|---------|-----------|----------|------------------|--------------------------|-----------------|----------------|-----------------|------------------|-----------------|----------------|-----------------|---------------------------------|-------------------------------|--------------------------------|--|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|----|--------|-----------|----|--|--|----------|--|--|--|
|               | Rent                             | Taxes   | Insurance | Total    | No. of<br>Males  | Man'rs<br>and<br>For'm'n |                 | Sales-<br>men  |                 | Book-<br>keepers |                 | Clerks         |                 | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years                                | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |    |        |           |    |  |  |          |  |  |  |
|               |                                  |         |           |          |                  | Amount<br>Paid           | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid   | No. of<br>Males | Amount<br>Paid | No. of<br>Males |                                 |                               |                                |  |                               |                                |                                 |                               |                                |    |        |           |    |  |  |          |  |  |  |
|               |                                  |         |           |          |                  |                          |                 |                |                 |                  |                 |                |                 |                                 |                               |                                |  |                               |                                |                                 |                               |                                |    |        |           |    |  |  |          |  |  |  |
| 1.....        | \$4,000                          | \$ 287  | \$ 287    | \$4,584  | 2                | 187                      | 2               | 8              | \$150           | 2                | \$93            | 3              | \$56            | 1                               | \$2.50                        | 10                             | 1  | \$2.50                        | 10                             | 1                               | \$2.00                        | 11                             | 1  | \$2.00 | 11        |    |  |  |          |  |  |  |
| 2.....        |                                  | 1,238   | 2,700     | 8,898    | 20               | 500                      | 1               | 88             | \$150           | 2                | \$93            | 3              | \$56            | 15                              | 2.10                          | 10                             | 15   | 2.10                          | 10                             | 15                              | 2.10                          | 10                             | 15 | 2.10   | 10        |    |  |  |          |  |  |  |
| 3.....        |                                  | 580     | 510       | 1,090    | 58               | 103                      | 1               | 88             | 1               | 88               | 1               | 88             | 1               | 88                              | 5                             | 2.00                           | 10   | 5                             | 2.00                           | 10                              | 5                             | 2.00                           | 10 | 5      | 2.00      | 10 |  |  |          |  |  |  |
| 4.....        |                                  | 313     | 167       | 480      | 30               | 150                      | 1               | 150            | 1               | 150              | 1               | 150            | 1               | 150                             | 4                             | 1.80                           | 10   | 4                             | 1.80                           | 10                              | 4                             | 1.80                           | 10 | 4      | 1.80      | 10 |  |  |          |  |  |  |
| Total .....   | \$4,000                          | \$2,468 | \$3,664   | \$10,152 | 302              | 603                      | 5               | \$620          | 8               | \$150            | 2               | \$93           | 4               | \$68                            | 1                             | \$2.50                         | 10   | 1                             | \$2.50                         | 10                              | 1                             | \$2.50                         | 10 | 1      | \$2.50    | 10 |  |  |          |  |  |  |





## WOOLEN MILLS.

The manufacturers engaged in this industry, the reports from whom are tabulated in Table No. 36, express themselves as fairly well satisfied with the results of their operations in 1896 and with the prospects for this year's business. Some complaint is made of the tariff regulation which permits "corduroys" to be imported as "upholstery," and the suggestion is advanced that an increase in the volume of money would stimulate trade in this line very materially.

While the transactions were not so extensive last year as during 1895, as indicated by the help employed, the average of wages was more than maintained.

The average number of persons employed in 1895 was 298; in 1896 the average was 270. The total number of days operated last year, as compared with the previous year, decreased 59, while the amount of wages paid increased \$892.

The average monthly salary paid managers was \$108; salesmen (by commission), \$450; bookkeepers, females \$37.50; stenographers, females \$25.

Engineers and firemen were paid \$1.25 for 10 hours; sorters, \$1.25 for 9 hours; carders, males 99 cents for 9½ hours, and females 75 cents for 10 hours; spinners, males \$1.03 and females 74 cents for 9½ hours; weavers, males \$1.15 for 9¾ hours, females 75 cents for 9 hours; dyers, \$1.03 for 10 hours; laborers, males \$1.20 for 10 hours, females 94 cents for 9¾ hours.

## WOOLEN MILLS.

Table No. 36.

| OFFICE NUMBER | Private firms—male members |         |       | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | Totals |
|---------------|----------------------------|---------|-------|--|---|---|--|--|---|---|---|---|---|---|--------|
|               | Males                      | Females | Total |  |   |   |  |  |   |   |   |   |   |   |        |
|               |                            |         |       |  |   |   |  |  |   |   |   |   |   |   |        |
| 1.....        | 8                          | 6       | 14    | \$12,000   | \$5,356   | \$9,000   | \$5,200  | \$7,800  | \$16,401  | \$1,600   | 224   | 224   | \$2,130   | \$8,000   | 1      |
| 2.....        | 8                          | 8       | 16    | 190,028  | 16,516  | 27,003  | 112,932  | 17,742   | 12,610  | 12,610  | 248   | 248   | 86,596  | 41,024  | 2      |
| 3.....        | 4                          | 4       | 8     | 112,163  | 8,815   | 9,847   | 68,805   | 12,022   | 12,642  | 12,642  | 272   | 272   | 26,436  | 25,000  | 3      |
| 4.....        | 4                          | 4       | 8     | 15,000   | 8,000   | 10,000  | 5,000  | 1,000  | .....   | .....   | 260   | 260   | 8,000   | 8,000   | 4      |
| 5.....        | 4                          | 4       | 8     | 15,000   | 7,000   | 7,500   | 2,500  | 2,000  | 1,000   | 8,000   | 200   | 200   | 2,000   | 1,600   | 5      |
| Totals        | 12                         | 7       | 19    | \$345,196  | \$45,680  | \$63,440  | \$192,407  | \$24,566   | \$33,266  | \$30,702  | 1,240   | 1,131   | \$74,231  | \$75,122  |        |

Table No. 96.—Continued.

## WOOLEN MILLS.

| OFFICE NUMBER | TOTAL AMOUNT PAID IN 1906 FOR |           |         | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |                      |       |          |               |              |             |                | ENGINEERS   |                              | SORTERS                   |                            | CARDERS                      |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
|---------------|-------------------------------|-----------|---------|------------------|---|----------------------|-------|----------|---------------|--------------|-------------|----------------|-------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|-----------------------------|------------------------------|--------------------------------|---------------------------|----------------------------|------------------------------|----|----|
|               | Taxes                         | Insurance | Total   |                  | No. of Males  | Managers and Foremen |       | Salesmen | Stenographers | No. of Males | Amount Paid | No. of Females | Amount Paid | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Average daily wages—females | Hours of daily labor—females | Females employed over 16 years | Average daily wages—males | Hours of daily labor—males | Hours of daily labor—females |    |    |
|               |                               |           |         |                  |   |                      |       |          |               |              |             |                |             |                              |                           |                            |                              |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
|               |                               |           |         |                  |   |                      |       |          |               |              |             |                |             |                              |                           |                            |                              |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
| 1             | \$ 325                        | \$ 575    | \$ 700  | \$ 25,000        | 2   |                      | \$ 66 | 1        | \$ 450        | 1            | \$ 325      |                |             |                              |                           |                            |                              |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
| 2             | 1,321                         | 1,155     | 2,476   | 200,000          | 2   |                      | 150   |          |               |              |             |                |             |                              |                           |                            |                              |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
| 3             | 300                           | 2,660     | 2,960   | 70,000           |   |                      |       |          |               |              |             |                |             |                              |                           |                            |                              |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
| 4             | 100                           |           | 100     | 20,000           |   |                      |       |          |               |              |             |                |             |                              |                           |                            |                              |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
| 5             | 110                           |           | 110     | 7,000            |   |                      |       |          |               |              |             |                |             |                              |                           |                            |                              |                           |                            |                              |                             |                              |                                |                           |                            |                              |    |    |
| Totals        | \$2,156                       | \$4,190   | \$6,338 | \$323,500        | 5   |                      | \$216 | 1        | \$450         | 1            | \$325       |                |             | 1                            | \$1.25                    | 10                         | 9                            | \$1.25                    | 9                          | 16                           | \$1.06                      | 20                           | \$0.75                         | 19                        | 10                         | \$0.75                       | 19 | 10 |

Table No. 36.—Continued.

## WOOLEN MILLS.

| OFFICE NUMBER | SPINNERS                     |                                |                           |                             |                            |                              | WEAVERS                      |                                |                           |                             |                            |                              | DYERS                        |                                |                           | LABORERS                    |                            |                              |  |  |  |
|---------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|--|--|--|
|               | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |  |  |  |
| 1             | 7                            | 11                             | \$1.07                    | \$0.78                      | 9                          | 9                            | 28                           | 12                             | \$1.40                    | \$0.75                      | 9                          | 9                            | 9                            | 4                              | \$1.20                    | \$0.83                      | 10                         | 10                           |  |  |  |
| 2             |                              |                                |                           |                             |                            |                              |                              |                                | 1.08                      |                             | 10                         |                              |                              | 5                              | 1.08                      | .75                         | 9                          | 8                            |  |  |  |
| 3             |                              | 24                             | 1.00                      | .75                         | 10                         | 10                           | 58                           |                                | 1.00                      |                             | 10                         |                              |                              |                                |                           |                             |                            |                              |  |  |  |
| 4             | 1                            | 1                              | 1.00                      |                             |                            | 6                            | 6                            |                                |                           |                             |                            |                              |                              |                                |                           |                             |                            |                              |  |  |  |
| 5             |                              |                                |                           |                             |                            |                              |                              |                                |                           |                             |                            |                              |                              | 1                              | .75                       | 1.15                        | 11                         | 11                           |  |  |  |
| Totals        | 8                            | 36                             | \$2.07                    | \$1.43                      | 19                         | 19                           | 92                           | 12                             | \$3.46                    | \$0.75                      | 23                         | 9                            | 7                            | 10                             | \$3.61                    | \$2.83                      | 80                         | 80                           |  |  |  |

## CLOTHING FACTORIES.

The results of the investigation made of this industry are given in two tables; Table No. 37 includes reports from regular manufacturers—those having factory buildings wherein their work is done—and table No. 38 embraces reports from the class styled "Sweat Shops."

Reports were received from 36 regular manufacturers, of which 4 were incomplete. The latter reported an aggregate capital of \$225,000 and manufactures valued at \$184,861.

Last year's operations in this line were not generally satisfactory and wages suffered a material reduction, but prospects for this year's business were considered bright. A consensus of the opinions advanced by these manufacturers is that such general prosperity as would result from good crops and good prices for the same would improve their business greatly.

The average number of persons employed by the regular factories in 1895 was 4,395; in 1896 the average was 4,809. The total number of days operated in 1896 exceeded the previous year by 783, while the amount paid in wages decreased \$96,163.

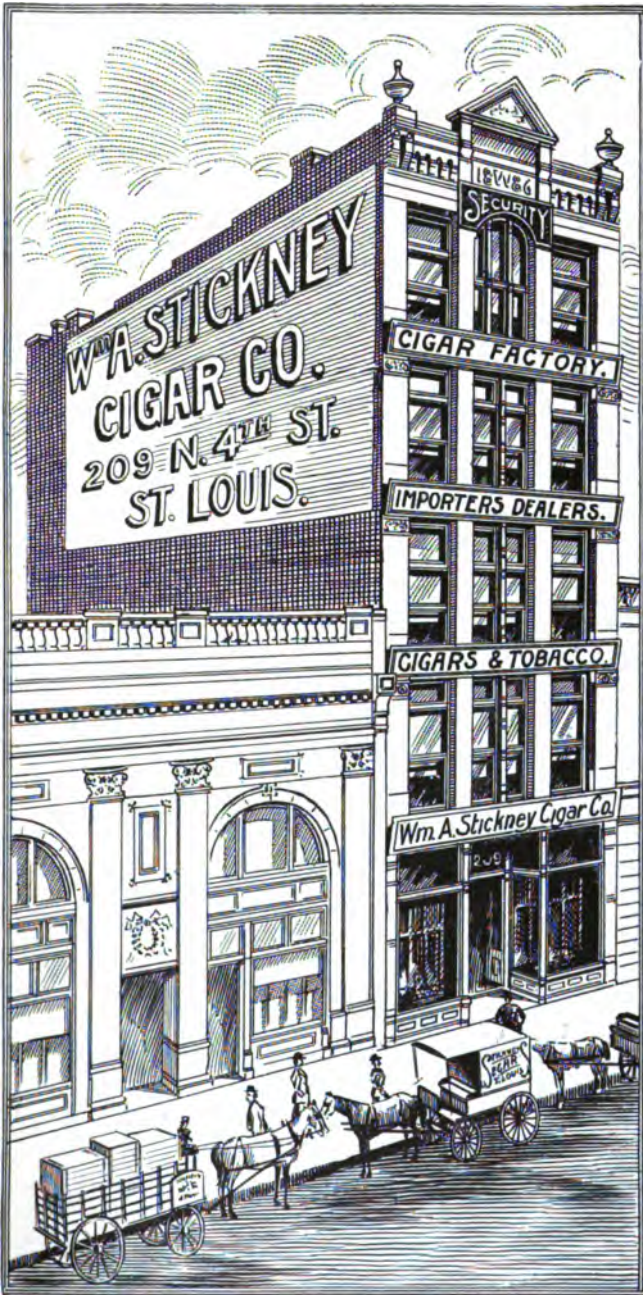
Managers were paid an average monthly salary of \$160.90 for males and \$46 for females; salesmen, \$122.75; bookkeepers, males \$88.20, females \$43.57; clerks, males \$49.84, females \$25; stenographers, males \$32.67, females \$43.72.

The average wages paid cutters was, males \$2.59 for 9½ hours, females \$1.75 for 9 hours; pressers, males \$1.99 for 9½ hours, females \$1.15 for 9 hours; tailors, males \$2.25 and females \$1.09 for 9 hours; machine operators, males \$1.50 for 10 hours, females 89 cents for 9 hours; finishers, males \$2.17 for 9¾ hours, females \$1.07 for 9 hours; helpers, males \$1.75 and females 95 cents for 9¼ hours.

## CLOTHING.

Table No. 37

| Office Number | Corporation | Private firms—male members |         | Total value of all goods manufactured during the year 1896 | Value of manufactured goods on hand January 1, 1896 | Value of manufactured goods on hand January 1, 1897 | Total value of all stock or material used during the year 1896 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1896 | Total value of stock or materials on hand January 1, 1896 | Total value of stock or materials on hand January 1, 1897 | Total number of days in operation during 1896 | Contract | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | Rent        | TOTAL AMOUNT PAID IN 1896 FOR |          |           | Capital invested |             |
|---------------|-------------|----------------------------|---------|--|---|---|--|--|---|---|---|----------|---|---|-------------|-------------------------------|----------|-----------|------------------|-------------|
|               |             | Males                      | Females |  |   |   |  |  |   |   |   |          |   |   |             | Total                         | Taxes    | Insurance |                  | Total       |
|               |             |                            |         |  |   |   |  |  |   |   |   |          |   |   |             |                               |          |           |                  |             |
| 1             |             | 1                          | 1       | 2  | \$60,000  | \$80,000  | \$95,000   | \$365,000  | \$8,500   | \$95,000  | 8 50,000                                      | 280      | \$145,550                                       | \$128,191                                       | \$9,106     | \$1,274                       | \$1,761  | \$12,180  | \$250,000        |             |
| 2             |             | 3                          | 3       | 6  | 100,000   | 40,000  | 40,000   | 60,000   | 800   | 37,210  | 28,700  | 310      | 44,640  | 38,024  | 5,500       | 185                           | 450      | 6,035     | 36,000           |             |
| 3             |             | 2                          | 2       | 4  | 146,700   | 80,832  | 58,432   | 108,766  | 2,000   | 50,155  | 50,535  | 300      | 61,800  | 53,900  | 5,500       | 350                           | 1,300    | 6,980     | 36,000           |             |
| 4             |             | 4                          | 4       | 8  | 285,000   | 10,000  | 8,000  | 147,000  | 2,065   | 16,135  | 4,400   | 252      | 286   | 51,224  | 45,675      | 7,000                         | 248      | 1,508     | 9,256            | 75,000      |
| 5             |             | 4                          | 1       | 5  | 105,284   | 6,575   | 5,000  | 129,000  | 2,800   | 15,000  | 12,000  | 236      | 270   | 2,000   | 18,700      | 15                            | 45       | 250       | 310              | 35,000      |
| 6             |             | 5                          | 5       | 10   | 100,000   | 4,000   | 4,300  | 19,000   | 660   | 8,000   | 4,500   | 300      | 300   | 1,800   | 2,062       | 4,000                         | 250      | 400       | 7,002            | 35,000      |
| 7             |             | 5                          | 5       | 10   | 2,500   | 6,000   | 2,000  | 39,200   | 380   | 8,000   | 7,500   | 300      | 240   | 24,000  | 18,700      | 2,400                         | 250      | 400       | 8,002            | 40,000      |
| 8             |             | 4                          | 4       | 8  | 74,000  | 15,461  | 15,494   | 32,182   | 750   | 5,000   | 7,500   | 305      | 305   | 4,446   | 3,665       | 4,800                         | 146      | 257       | 5,153            | 8,315       |
| 9             |             | 9                          | 9       | 18   | 9,950   | 32,000  | 32,000   | 22,000   | 1,670   | 5,000   | 7,500   | 300      | 300   | 6,250   | 5,750       | 3,000                         | 280      | 310       | 8,580            | 40,000      |
| 10            |             | 11                         | 11      | 22   | 39,887  | 55,000  | 50,000   | 18,540   | 3,800   | 100,688   | 100,919                                       | 303      | 303   | 91,825  | 99,352      | 20,000                        | 217      | 250       | 8,487            | 12,800      |
| 11            |             | 10                         | 10      | 20   | 380,749   | 116,071   | 130,000  | 171,000  | 3,000   | 240,000   | 226,000                                       | 307      | 307   | 92,734  | 99,352      | 6,500                         | 695      | 2,500     | 23,155           | 204,800     |
| 12            |             | 13                         | 13      | 26   | 152,878   | 24,191  | 18,000   | 85,562   | 4,000   | 10,000  | 9,000   | 300      | 300   | 92,800  | 86,500      | 1,500                         | 760      | 2,000     | 9,749            | 300,000     |
| 13            |             | 4                          | 4       | 8  | 80,000  | 25,855  | 24,746   | 19,019   | 1,325   | 10,000  | 9,000   | 313      | 313   | 9,000   | 36,500      | 1,540                         | 85       | 625       | 2,125            | 500,000     |
| 14            |             | 3                          | 3       | 6  | 49,811  | 14,000  | 14,000   | 13,000   | 1,600   | 22,000  | 20,000  | 300      | 300   | 17,152  | 25,294      | 4,465                         | 34       | 300       | 4,799            | 24,200      |
| 15            |             | 4                          | 4       | 8  | 45,000  | 15,000  | 14,000   | 13,000   | 1,600   | 22,000  | 20,000  | 300      | 300   | 17,152  | 25,294      | 4,465                         | 34       | 300       | 4,799            | 24,200      |
| 16            |             | 6                          | 6       | 12   | 304,758   | 97,867  | 72,548   | 197,913  | 4,895   | 168,644   | 111,044                                       | 297      | 297   | 100,463   | 82,875      | 6,000                         | 157      | 290       | 2,447            | 10,000      |
| 17            |             | 6                          | 6       | 12   | 75,000  | 35,000  | 36,000   | 55,000   | 1,000   | 37,000  | 37,000  | 280      | 280   | 100,463   | 82,875      | 6,000                         | 1,894    | 1,894     | 9,749            | 800,000     |
| 18            |             | 2                          | 2       | 4  | 13,500  | 5,500   | 2,800  | 12,000   | 1,000   | 13,500  | 2,800   | 275      | 275   | 4,825   | 3,200       | 7                             | 1,008    | 1,719     | 6,385            | 25,000      |
| 19            |             | 3                          | 3       | 6  | 880,000   | 6,000   | 15,000   | 282,000  | 8,700   | 39,000  | 34,000  | 291      | 291   | 4,825   | 3,200       | 7                             | 1,008    | 1,719     | 6,385            | 25,000      |
| 20            |             | 3                          | 3       | 6  | 180,000   | 1,500   | 1,500  | 70,000   | 900   | 2,800   | 2,100   | 280      | 280   | 4,825   | 3,200       | 7                             | 1,008    | 1,719     | 6,385            | 25,000      |
| 21            |             | 3                          | 3       | 6  | 21,000  | 1,500   | 1,500  | 13,500   | 900   | 2,800   | 2,100   | 280      | 280   | 4,825   | 3,200       | 7                             | 1,008    | 1,719     | 6,385            | 25,000      |
| 22            |             | 3                          | 3       | 6  | 254,000   | 59,888  | 84,519   | 13,500   | 900   | 2,800   | 2,100   | 280      | 280   | 4,825   | 3,200       | 7                             | 1,008    | 1,719     | 6,385            | 25,000      |
| 23            |             | 4                          | 4       | 8  | 477,885   | 8,000   | 7,000  | 303,834  | 42,661  | 206,639   | 127,182                                       | 280      | 280   | 28,857  | 25,310      | 840                           | 313      | 500       | 4,845            | 48,000      |
| 24            |             | 5                          | 5       | 10   | 20,500  | 6,000   | 6,000  | 11,500   | 2,962   | 7,672   | 6,095   | 298      | 298   | 145,676   | 123,180     | 1,000                         | 41       | 215       | 1,266            | 20,000      |
| 25            |             | 4                          | 4       | 8  | 38,000  | 272,500   | 272,500  | 85,000   | 600   | 800,000   | 275,000                                       | 313      | 313   | 240,000   | 13,496      | 1,250                         | 1,188    | 2,000     | 15,190           | 38,000      |
| 26            |             | 4                          | 4       | 8  | 60,000  | 18,000  | 18,000   | 35,000   | 2,000   | 800,000   | 275,000                                       | 314      | 314   | 240,000   | 13,496      | 1,250                         | 1,188    | 2,000     | 15,190           | 38,000      |
| 27            |             | 4                          | 4       | 8  | 70,000  | 10,000  | 8,000  | 17,725   | 1,120   | 32,000  | 27,862  | 314      | 314   | 12,467  | 11,507      | 2,400                         | 403      | 275       | 2,000            | 80,000      |
| 28            |             | 2                          | 2       | 4  | 70,000  | 10,000  | 8,000  | 17,725   | 1,120   | 32,000  | 27,862  | 314      | 314   | 12,467  | 11,507      | 2,400                         | 403      | 275       | 2,000            | 80,000      |
| Totals        |             | 73                         | 7       | 80   | \$8,508,910   | \$1,094,940   | \$844,340  | \$3,815,814  | \$104,670   | \$1,471,487   | \$1,258,654                                   | 8,010    | 8,010   | \$1,427,060                                     | \$1,330,103 | \$118,014                     | \$10,700 | \$21,840  | \$160,680        | \$2,728,412 |



W. A. STICKNEY CIGAR CO.'S FACTORY AND OFFICES, ST. LOUIS, MO.





**Average amount paid each month to  
each class**

[illegible]

## CLOTHING.

-ole No. 37-Continued.

| OFFICE NUMBER | TAILORS                      |                       |                       |                                 |                       |                       | MACHINE OPERATORS            |                       |                       |                                |                       |                       | FINISHERS            |                       |                      |                       | HELPERS              |                       |                      |                       |
|---------------|------------------------------|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|------------------------------|-----------------------|-----------------------|--------------------------------|-----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|
|               | Males employed over 16 years |                       |                       | Females employed under 16 years |                       |                       | Males employed over 16 years |                       |                       | Females employed over 16 years |                       |                       | Males                |                       | Females              |                       | Males                |                       | Females              |                       |
|               | Average daily wages—         | Hours of daily labor— | Hours of daily labor— | Average daily wages—            | Hours of daily labor— | Hours of daily labor— | Average daily wages—         | Hours of daily labor— | Hours of daily labor— | Average daily wages—           | Hours of daily labor— | Hours of daily labor— | Average daily wages— | Hours of daily labor— | Average daily wages— | Hours of daily labor— | Average daily wages— | Hours of daily labor— | Average daily wages— | Hours of daily labor— |
| 1.            | 750                          | 90.95                 | 9                     | 9                               | 81.15                 | 9                     | 9                            | 8                     | 8                     | 75                             | 28                    | 160                   | 1.50                 | 9                     | 9                    | 9                     | 9                    | 9                     | 9                    | 9                     |
| 2.            | 16                           | 82.50                 | 8                     | 8                               | 1.10                  | 10                    | 10                           | 10                    | 10                    | 1.50                           | 10                    | 10                    | 1.50                 | 10                    | 1.50                 | 10                    | 1.50                 | 10                    | 1.50                 | 10                    |
| 3.            | 50                           | 1.75                  | 8                     | 8                               | 1.25                  | 10                    | 10                           | 10                    | 10                    | 1.50                           | 10                    | 10                    | 1.50                 | 10                    | 1.50                 | 10                    | 1.50                 | 10                    | 1.50                 | 10                    |
| 4.            | 4                            | 1.00                  | 10                    | 10                              | 1.05                  | 9                     | 9                            | 9                     | 9                     | 1.50                           | 9                     | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     |
| 5.            | 10                           | 1.00                  | 10                    | 10                              | 1.05                  | 9                     | 9                            | 9                     | 9                     | 1.50                           | 9                     | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     |
| 6.            | 7                            | 1.00                  | 10                    | 10                              | 1.05                  | 9                     | 9                            | 9                     | 9                     | 1.50                           | 9                     | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     |
| 7.            | 7                            | 1.00                  | 10                    | 10                              | 1.05                  | 9                     | 9                            | 9                     | 9                     | 1.50                           | 9                     | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     | 1.50                 | 9                     |
| 8.            | 2                            | 2.00                  | 8                     | 8                               | 1.25                  | 8                     | 8                            | 8                     | 8                     | 1.50                           | 8                     | 8                     | 1.50                 | 8                     | 1.50                 | 8                     | 1.50                 | 8                     | 1.50                 | 8                     |
| 9.            | 1                            | 2.00                  | 8                     | 8                               | 1.00                  | 94                    | 94                           | 94                    | 94                    | 1.00                           | 94                    | 94                    | 1.00                 | 94                    | 1.00                 | 94                    | 1.00                 | 94                    | 1.00                 | 94                    |
| 10.           | 1                            | 2.00                  | 8                     | 8                               | 1.00                  | 94                    | 94                           | 94                    | 94                    | 1.00                           | 94                    | 94                    | 1.00                 | 94                    | 1.00                 | 94                    | 1.00                 | 94                    | 1.00                 | 94                    |
| 11.           | 1                            | 2.00                  | 8                     | 8                               | 1.00                  | 94                    | 94                           | 94                    | 94                    | 1.00                           | 94                    | 94                    | 1.00                 | 94                    | 1.00                 | 94                    | 1.00                 | 94                    | 1.00                 | 94                    |
| 12.           | 68                           | 156                   | 2.00                  | 76                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 13.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 14.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 15.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 16.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 17.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 18.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 19.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 20.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 21.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 22.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 23.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 24.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 25.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 26.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 27.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 28.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 29.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 30.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 31.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |
| 32.           | 15                           | 20                    | 2.75                  | 75                              | 10                    | 10                    | 10                           | 10                    | 10                    | 85                             | 85                    | 85                    | 2.25                 | 12                    | 1.45                 | 10                    | 1.45                 | 10                    | 1.45                 | 10                    |

## CLOTHING—"SWEAT SHOPS."

Reports were received from 44 shops—12 of which were incomplete—and Table No. '38 contains their tabulation.

These reports, while showing approximately the value of the goods manufactured and the total amount of wages paid, afford very vague and indefinite information as to the real number of persons employed and the average wages realized by each. While each concern has a small shop in which they work from two to a dozen persons (paying the wages shown in this table), fully nine-tenths of their work is done by "contract"—subbed out at so much per garment, the wages realized from which being beggarly in the extreme.

In these shops no clerical help is employed.

The statements of help employed in the shops show an average of 293 persons in 1895 and 307 in 1896. The total number of days operated last year was less than the previous by 115, while the amount of wages paid exceeded 1895 by \$9,118.

CLOTHING—"SWEAT-SHOP" WORK.

| OFFICE NUMBER | Private firms—male members | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of all stock or material used during the year 1886 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | TOTAL AMOUNT PAID IN 1886 FOR |         |           |          | Capital invested | OFFICE HELP  |             |
|---------------|----------------------------|--|---|---|--|--|---|---|---|---|---|-------------------------------|---------|-----------|----------|------------------|--------------|-------------|
|               |                            |  |   |   |  |  |   |   |   |   |   | Rent                          | Taxes   | Insurance | Total    |                  | No. of Males | Amount Paid |
| 1             | 1                          | \$ 4,405   |   |   | \$ 380   | \$ 14  |   |   | 216   | 216   | \$ 8,314  | \$ 120                        | \$ 8101 | \$ 5      | \$ 120   | \$ 450           |              |             |
| 2             | 2                          | 1,800  |   |   | 40   | 120  |   |   | 280   | 245   | 6,162   | 6                             | 42      | 28        | 106      | 280              |              |             |
| 3             | 3                          | 1,082  |   |   | 100  | 57   |   |   | 216   | 216   | 2,540   |                               |         |           | 65       | 1,000            |              |             |
| 4             | 4                          | 1,520  |   |   | 74   | 74   |   |   | 120   | 120   | 1,320   | 96                            |         |           | 96       | 286              |              |             |
| 5             | 5                          | 1,520  |   |   | 100  | 82   |   |   | 280   | 280   | 5,548   | 240                           |         |           | 240      | 840              |              |             |
| 6             | 6                          | 8,738  |   |   | 4,375  | 25   |   |   | 280   | 280   | 3,381   | 240                           |         |           | 240      | 879              |              |             |
| 7             | 7                          | 2,280  |   |   | 812  | 47   |   |   | 216   | 216   | 2,124   | 72                            |         |           | 72       | 280              |              |             |
| 8             | 8                          | 6,408  |   |   | 312  | 106  |   |   | 286   | 286   | 2,498   | 90                            |         |           | 90       | 907              |              |             |
| 9             | 9                          | 8,555  |   |   | 60   | 64   |   |   | 270   | 270   | 3,815   | 120                           |         |           | 120      | 600              |              |             |
| 10            | 10                         | 8,340  |   |   | 50   | 120  |   |   | 312   | 312   | 3,838   | 300                           |         |           | 300      | 687              |              |             |
| 11            | 11                         | 2,934  |   |   | 79   | 60   |   |   | 270   | 270   | 1,051   | 73                            |         |           | 73       | 601              |              |             |
| 12            | 12                         | 8,540  | \$ 5,000  | \$ 5,000  | 5,540  | 50   | \$6,000   | \$6,000   | 150   | 192   | 3,587   | 72                            |         |           | 72       | 187              |              |             |
| 13            | 13                         | 1,750  |   |   | 18   | 18   |   |   | 200   | 200   | 1,082   | 108                           |         |           | 108      | 96               |              |             |
| 14            | 14                         | 8,140  |   |   | 21   | 21   |   |   | 144   | 144   | 3,205   | 60                            |         |           | 60       | 230              |              |             |
| 15            | 15                         | 8,200  |   |   | 77   | 77   |   |   | 240   | 240   | 5,190   | 144                           |         |           | 144      | 56               |              |             |
| 16            | 16                         | 8,200  |   |   | 243  | 79   |   |   | 312   | 312   | 4,138   | 180                           |         |           | 180      | 660              |              |             |
| 17            | 17                         | 3,328  |   |   | 102  | 102  |   |   | 280   | 280   | 5,975   | 240                           |         |           | 240      | 660              |              |             |
| 18            | 18                         | 7,350  |   |   | 21   | 80   |   |   | 300   | 300   | 3,216   | 144                           |         |           | 144      | 775              |              |             |
| 19            | 19                         | 7,350  |   |   | 21   | 80   |   |   | 188   | 188   | 1,885   | 60                            |         |           | 60       | 170              |              |             |
| 20            | 20                         | 7,350  |   |   | 21   | 80   |   |   | 312   | 312   | 5,033   | 144                           |         |           | 144      | 280              |              |             |
| 21            | 21                         | 4,900  |   |   | 52   | 54   |   |   | 254   | 254   | 4,200   | 120                           |         |           | 120      | 300              |              |             |
| 22            | 22                         | 5,460  |   |   | 54   | 54   |   |   | 316   | 316   | 3,455   | 120                           |         |           | 120      | 245              |              |             |
| 23            | 23                         | 5,460  |   |   | 40   | 40   |   |   | 240   | 240   | 5,237   | 84                            |         |           | 84       | 280              |              |             |
| 24            | 24                         | 6,386  |   |   | 110  | 110  |   |   | 312   | 312   | 5,674   | 144                           |         |           | 144      | 410              |              |             |
| 25            | 25                         | 6,024  |   |   | 86   | 86   |   |   | 286   | 286   | 5,184   | 144                           |         |           | 144      | 286              |              |             |
| 26            | 26                         | 6,000  |   |   | 60   | 60   |   |   | 286   | 286   | 4,745   | 73                            |         |           | 73       | 650              |              |             |
| 27            | 27                         | 6,500  |   |   | 109,400  |  |   |   | 264   | 264   | 44,910  | 96                            |         |           | 96       | 228              |              |             |
| 28            | 28                         | 102,000  | 150,000   | 126,200   |  |  |   |   | 264   | 264   | 27,888  | 7,000                         | 380     | 1,000     | 10,385   | 70,000           |              |             |
| 29            | 29                         |  |   |   |  |  |   |   | 2,843   | 2,843   | 514,372   | \$10,450                      | \$750   | \$1,130   | \$11,725 | \$81,100         |              |             |
| 30            | 30                         |  |   |   |  |  |   |   | 7,843   | 7,843   | 254,514   |                               |         |           |          |                  |              |             |
| 31            | 31                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 32            | 32                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 33            | 33                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 34            | 34                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 35            | 35                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 36            | 36                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 37            | 37                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 38            | 38                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 39            | 39                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 40            | 40                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 41            | 41                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 42            | 42                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 43            | 43                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 44            | 44                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 45            | 45                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 46            | 46                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 47            | 47                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 48            | 48                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 49            | 49                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 50            | 50                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 51            | 51                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 52            | 52                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 53            | 53                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 54            | 54                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 55            | 55                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 56            | 56                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 57            | 57                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 58            | 58                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 59            | 59                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 60            | 60                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 61            | 61                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 62            | 62                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 63            | 63                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 64            | 64                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 65            | 65                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 66            | 66                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 67            | 67                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 68            | 68                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 69            | 69                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 70            | 70                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 71            | 71                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 72            | 72                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 73            | 73                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 74            | 74                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 75            | 75                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 76            | 76                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 77            | 77                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 78            | 78                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 79            | 79                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 80            | 80                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 81            | 81                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 82            | 82                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 83            | 83                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 84            | 84                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 85            | 85                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 86            | 86                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 87            | 87                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 88            | 88                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 89            | 89                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 90            | 90                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 91            | 91                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 92            | 92                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 93            | 93                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 94            | 94                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 95            | 95                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 96            | 96                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 97            | 97                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 98            | 98                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 99            | 99                         |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |
| 100           | 100                        |  |   |   |  |  |   |   |   |   |   |                               |         |           |          |                  |              |             |

[illegible]



## BROOM FACTORIES.

Reports were received from 11 factories, 5 of which were incomplete. Those which were sufficiently complete for the purposes of this investigation are shown in Table No. 39.

These manufacturers complain of dull business during the past year, and unfavorable prospects for the future. Much stress is placed on the general depressed condition and the scarcity of money among farmers and wage-earners as contributing to this unsatisfactory state of this industry; also, the competition of prison-made brooms.

The average number of persons employed in 1895 was 35; in 1896 the average was 39.

The total number of days operated last year exceeded the previous year by 175, and the excess in the amount of wages paid was \$2,123.

Managers were paid an average monthly salary of \$43; salesmen, \$63.67; clerks, \$26; stenographers, females \$23.

The average wages paid sorters was 72 cents; broom makers, \$1.49; nailers, \$2.50; finishers, \$1.25; all classes working 9 hours but broommakers, who worked 9½ hours.



Table No. 39.

## BROOMS.

| OFFICE NUMBER | Private firms—male members | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of all stock or material used during the year 1886 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 | TOTAL AMOUNT PAID IN 1886 FOR |       |           |         | Total |
|---------------|----------------------------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|-------|-----------|---------|-------|
|               |                            |  |   |   |  |  |   |   |   |   |   |   | Rent                          | Taxes | Insurance |         |       |
| 1             | 1                          | \$10,372   | \$428   | \$382   | \$6,253  | \$240  | \$1,500   | \$1,210   | 300   | 300   | 28  | 622   | ...                           | \$45  | \$ 75     | ...     | \$120 |
| 2             | 1                          | 6,000  | 50  | 25  | 2,000  | 100  | 200   | 175   | 300   | 300   | 109   | 1,000   | ...                           | 40    | 110       | ...     | 250   |
| 3             | 1                          | 1,500  | 500   | 600   | 700  | ...  | 200   | 210   | 300   | 300   | 300   | 1,000   | ...                           | ...   | ...       | ...     | 310   |
| 4             | 2                          | 15,000   | 2,500   | 2,000   | 10,500   | 450  | 2,000   | 1,800   | 300   | 300   | 2,970   | 2,970   | ...                           | 46    | 150       | ...     | 1,888 |
| 5             | 2                          | 2,000  | 200   | 150   | 750  | ...  | 200   | 200   | 300   | 350   | 1,000   | 1,600   | ...                           | 37    | 52        | ...     | 1,104 |
| 6             | 2                          | 10,000   | 300   | 1,000   | 4,000  | ...  | 200   | 300   | ...   | 225   | 3,000   | 3,000   | ...                           | 16    | 50        | ...     | 416   |
| Totals.       | 8                          | \$44,872   | \$3,976   | \$4,167   | \$24,203   | \$730  | \$4,300   | \$4,075   | 1,500   | 1,675   | \$11,088  | \$13,128  | \$2,275                       | \$184 | \$437     | \$2,586 |       |

BROOMS.

Table No. 39.—Continued.

| OFFICE NUMBER | Capital Invested | OFFICE HELP<br>Average amount paid each month<br>to each class |                |                 |                |                 |                |                    |                | SORTERS                         |                               |                                | BROOM<br>MAKERS                 |                               |                                | NAILERS                         |                               |                                | FINISHERS |        |  |
|---------------|------------------|--|----------------|-----------------|----------------|-----------------|----------------|--------------------|----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-----------|--------|--|
|               |                  | Managers<br>and<br>Foremen                                     |                | Salesmen        |                | Clerks          |                | Stenog-<br>raphers |                | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |           |        |  |
|               |                  | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females  | Amount<br>Paid |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |           |        |  |
|               |                  |  |                |                 |                |                 |                |                    |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |           |        |  |
| 1.....        | \$8,000          | 1  | \$43           | 1               | \$41           |                 |                | 1                  | \$23           |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |           |        |  |
| 2.....        | 2,000            |  |                |                 |                |                 |                |                    |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |           |        |  |
| 3.....        | 4,000            |  |                |                 |                |                 |                |                    |                |                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |           |        |  |
| 4.....        | 7,200            |  |                | 1               | 65             | 1               | \$26           |                    |                | \$37                            | 9                             | 1                              | 10                              | \$2.50                        | 9                              | 1                               | \$1.25                        |                                |           |        |  |
| 5.....        | 650              |  |                | 1               | 55             |                 |                |                    |                | 1.00                            | 8                             |                                | 10                              | 1.50                          | 8                              |                                 |                               |                                |           |        |  |
| 6.....        | 2,000            |  |                | 1               |                |                 |                |                    |                | 8                               |                               |                                | 10                              | 1.50                          |                                |                                 |                               |                                |           |        |  |
| Totals.....   | \$16,850         | 1  | \$43           | 8               | \$191          | 1               | \$23           | 1                  | \$23           | 3                               | \$2.17                        | 27                             | 30                              | \$3.95                        | 57                             | 1                               | \$2.50                        | 9                              | 1         | \$1.25 |  |



## TENT AND AWNING FACTORIES.

Table No. 40 contains the tabulation of all reports received on this industry. The answers to Question 14 indicate that these manufacturers enjoyed a very satisfactory business in 1896, and regarded the prospects for this year's operations as very bright. The only complaint made is of alleged exorbitant freight rates on material from Southern cotton mills, which, being higher than Eastern rates, gives Eastern manufacturers an advantage.

The average number of persons employed in 1895 was 103; the average in 1896 was 120.

The total number of days operated last year exceeded the previous year 244, while the excess in the amount of wages paid was \$10,689.

The average monthly salary paid managers was \$80; salesmen, \$50; bookkeepers, males \$70, females \$40; clerks, females \$24; stenographers, males \$12, females \$44.

The average wages paid cutters was \$2.79 for males and \$1.17 for females for 10 hours; carpenters, \$1.65 for 10 hours; stitchers, males \$1.45 for 9½ hours, females 75 cents for 10 hours; machine operators, males \$1 for 8 hours, females 85 cents for 10 hours; painters, \$2.50 for 10 hours; awning hangers, \$1.40 for 9 hours; general help, males \$1.48 for 9½ hours, females \$1 for 8 hours.

Table No. 40.

## TENTS AND AWNINGS.

| OFFICE NUMBER | Corporations—male members | Private firms—male members | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 | TOTAL AMOUNT<br>PAID IN 1896<br>FOR |       |           |         | Total |
|---------------|---------------------------|----------------------------|---|--|--|---|--|--|--|--|--|--|--|-------------------------------------|-------|-----------|---------|-------|
|               |                           |                            |   |  |  |   |  |  |  |  |  |  |  | Rent                                | Taxes | Insurance |         |       |
| 1.....        | 1                         | 1                          | \$100,000   | \$4,000  | \$ 5,000   | \$50,000  | \$ 500   | \$43,000   | \$24,000   | 306  | 306  | \$17,869   | \$23,174   | \$1,200                             | \$125 | \$350     | \$1,675 |       |
| 2.....        | 1                         | 1                          | 7,000   | 800  | 800  | 8,045   | 470  | 13,647   | 300  | 244  | 244  | 2,228  | 2,228  | 195                                 | 124   | 800       | 1,494   |       |
| 3.....        | 2                         | 1                          | 86,000  | 4,647  | 4,720  | 60,441  | 800  | 16,730   | 16,730   | 813  | 813  | 12,817   | 15,905   | 1,000                               | 124   | 800       | 1,494   |       |
| 4.....        | 1                         | 1                          | 1,800   | 100  | 100  | 10,400  | 15   | 100  | 100  | 200  | 200  | 800  | 800  | 123                                 | 40    | 10        | 130     |       |
| 5.....        | 1                         | 1                          | 12,000  | 500  | 650  | 10,000  | 200  | 800  | 900  | 285  | 285  | 2,500  | 3,200  | 430                                 | 40    | 35        | 555     |       |
| Totals .....  | 2                         | 4                          | \$206,800   | \$9,247  | \$10,770   | \$123,896   | \$1,435  | \$57,547   | \$52,030   | 1,104  | 1,348  | \$33,516   | \$44,205   | \$2,995                             | \$239 | \$936     | \$3,979 |       |

TENTS AND AWNINGS.

Table No. 40.—Continued.

| OFFICE NUMBER | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |             |              |             |              |             |               |             |                              |             | CUTTERS                      |             |                              |             | CARPENTERS                   |             |                              |             |
|---------------|------------------|---|-------------|--------------|-------------|--------------|-------------|---------------|-------------|------------------------------|-------------|------------------------------|-------------|------------------------------|-------------|------------------------------|-------------|------------------------------|-------------|
|               |                  | Managers and Foremen  |             | Salesmen     |             | Book-keepers |             | Stenographers |             | Males employed over 16 years |             | Males employed over 16 years |             | Males employed over 16 years |             | Males employed over 16 years |             | Males employed over 16 years |             |
|               |                  | No. of Males  | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males  | Amount Paid | No. of Males                 | Amount Paid | No. of Males                 | Amount Paid | No. of Males                 | Amount Paid | No. of Males                 | Amount Paid | No. of Males                 | Amount Paid |
|               |                  |   |             |              |             |              |             |               |             |                              |             |                              |             |                              |             |                              |             |                              |             |
| 1.            | \$60,000         | 1   | \$140       | 7            | \$ 60       | 1            | \$ 80       | 2             | \$44        | 2                            | \$44        | 2                            | \$44        | 2                            | \$44        | 2                            | \$44        | 2                            | \$44        |
| 2.            | 1,000            | 1   | 40          | 1            | 40          | 1            | 60          | 1             | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        |
| 3.            | 25,000           | 1   | 60          | 8            | 50          | 1            | 60          | 1             | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        |
| 4.            | 400              | 1   | 60          | 8            | 50          | 1            | 60          | 1             | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        |
| 5.            | 2,000            | 1   | 60          | 8            | 50          | 1            | 60          | 1             | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        | 1                            | \$12        |
| Totals        | \$88,400         | 8   | \$240       | 11           | \$150       | 2            | \$140       | 1             | \$12        | 2                            | \$44        | 2                            | \$44        | 2                            | \$44        | 2                            | \$44        | 2                            | \$44        |

Table No. 40.—Continued.

## TENTS AND AWNINGS.

| OFFICE NUMBER | STITCHERS                    |                                |                           |                             |                            |                              | MACHINE HANDS                |                                |                           |                             |                            |                              | PAINTERS                     |                                |                           | AWNING HANGERS              |                            |                              | GENERAL HELP                 |                                |                           |                             |                            |                              |       |       |
|---------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|-------|-------|
|               | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |       |       |
| 1.....        | 1                            | 10                             | \$2.50                    | \$0.75                      | 10                         | 10                           | 10                           | 10                             | 10                        | 10                          | 10                         | 10                           | 10                           | 10                             | 1                         | \$2.50                      | 10                         | 10                           | 10                           | 10                             | 5                         | 20                          | \$1.40                     | .....                        | 10    | ..... |
| 2.....        | 4                            | 1                              | 1.00                      | .....                       | 10                         | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | 20                             | 20                        | 1.55                        | .....                      | 10                           | ..... |       |
| 3.....        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | 1.50                        | \$1.00                     | 10                           | ..... |       |
| 4.....        | 2                            | .....                          | .85                       | .....                       | 8                          | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | 8                              | 8                         | 1.50                        | .....                      | 8                            | ..... |       |
| 5.....        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | .....                        | .....                          | .....                     | .....                       | .....                      | .....                        | ..... |       |
| Totals.....   | 7                            | 10                             | \$4.35                    | \$0.75                      | 28                         | 10                           | 10                           | 10                             | 34                        | \$1.00                      | .....                      | 8                            | 10                           | 10                             | 1                         | \$2.50                      | 10                         | 12                           | 36                           | 20                             | 36                        | 20                          | \$5.95                     | \$1.00                       | 38    | 8     |

## TRUNK FACTORIES.

Only 3 reports were received on this industry and the tabulation of their contents is given in Table No. 41. While the results of last year's operations, and the prospects for this year's business were considered fairly satisfactory, complaint is made of the competition of cheap Canadian labor employed in Northern factories.

The average number of persons employed during the last two years was 20. The total number of days operated in 1895 exceeded last year 19, while the excess in the amount of wages paid in 1895 over 1896 was \$302.

Managers were paid an average monthly salary of \$45; salesmen, \$34; bookkeepers, \$40.

The average daily wages paid trunkmakers was \$1.55 for 9½ hours; general help, \$1.43 for 9½ hours.



Table No. 41.

## TRUNKS.

| Office Number | Private firms—male members | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of all stock or material used during the year 1886 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1885 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1885 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 | Rent    | Taxes | Total amount paid in 1886 for |
|---------------|----------------------------|--|---|---|--|--|---|---|---|---|---|---|---|---------|-------|-------------------------------|
| 1.....        | 1                          | \$ 8,500   | \$5,450   | \$6,942   | \$5,652  | \$5  | \$2,770   | \$2,687   | 300   | 275   | \$2,344   | \$2,492   | \$2,492   | .....   | ..... | \$264                         |
| 2.....        | 1                          | 11,000   | 4,000   | 4,300   | 4,000  | 25   | 800   | 850   | 300   | 306   | \$2,100   | \$2,150   | \$2,150   | \$1,200 | 35    | 35                            |
| 3.....        | 1                          | 15,000   | 4,000   | 7,500   | .....  | 550  | .....   | 5,000   | 250   | 250   | \$3,500   | \$3,500   | \$3,500   | 1,200   | 120   | 120                           |
|               | 3                          | \$34,500   | \$13,450  | \$18,642  | \$9,652  | \$600  | \$3,570   | \$8,537   | 850   | 831   | \$8,444   | \$8,142   | \$8,142   | \$2,400 | \$419 | \$419                         |

Table No. 41.—Continued.

## TRUNKS.

| Office Number | Total<br>amount<br><br>paid in 1886<br><br>for |         | Capital invested | Office Help  |                 |                |                  |                |                                 | TRUNK<br>MAKERS               |                                | GENERAL<br>HELP                 |                               |                                |
|---------------|--|---------|------------------|--|-----------------|----------------|------------------|----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|
|               |  |         |                  | Average amount<br>paid each month to<br>each class |                 |                |                  |                |                                 |                               |                                |                                 |                               |                                |
|               | Insurance                                      | Total   |                  | Managers<br>and<br>Foremen                         | Salesmen        |                | Book-<br>keepers |                | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |
|               |  |         |                  |  | No. of<br>Males | Amount<br>Paid | No. of<br>Males  | Amount<br>Paid |                                 |                               |                                |                                 |                               |                                |
| 1.....        | \$300  | \$ 564  | \$19,000         | 1  | \$36            | .....          | .....            | 1              | \$40                            | 8                             | \$1.50                         | 9                               | \$1.55                        | 9                              |
| 2.....        | 60   | 1,235   | 4,000            | .....  | .....           | .....          | .....            | .....          | .....                           | 3                             | 1.75                           | 1                               | 1.95                          | 10                             |
| 3.....        | 240  | 1,500   | 8,000            | 1  | 55              | 1              | \$34             | .....          | .....                           | 10                            | 1.40                           | 10                              | .....                         | 10                             |
| Totals        | \$600  | \$3,419 | \$31,000         | 2  | \$90            | 1              | \$34             | 1              | \$40                            | 19                            | \$4.65                         | 28                              | \$2.85                        | 19                             |

## LIGHT AND LAMP APPARATUS FACTORIES.

This classification includes manufacturers of electric light appliances, oil lamps and lanterns, and the reports received are tabulated in Table No. 42. Reference to the aggregate net results given in said table shows that last year's business was generally satisfactory. Complaint is made, however, of the encroachments upon small manufacturers of the General Electric, Westinghouse and other lighting trusts.

The average number of persons employed in 1895 was 257; in 1896 the average was 270.

The total number of days operated last year exceeded the previous year by 80 and the excess in the amount of wages paid was \$5,145.

The average monthly salary paid managers was \$157; salesmen, \$100; bookkeepers, males \$87, females \$42; clerks, \$59; stenographers, males \$50, females \$75.

Lamp makers were paid \$2 for males and \$1 for females; carbon makers, \$1.87; metal spinners, \$2.50; machinists, \$2.45; tinnerns, \$2.25; laborers, \$1.45; general help, males \$1.02, females 60 cents, all classes working 10 hours per day.

## LAMPS AND LIGHT APPARATUS.

Table No. 42.

| OFFICE<br>NUMBER | Corporation |         |       | Private firms—male members |         |       | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 |
|------------------|-------------|---------|-------|----------------------------|---------|-------|---|--|--|---|--|--|--|--|--|--|--|
|                  | Males       | Members |       | Males                      | Members |       |   |  |  |   |  |  |  |  |  |  |  |
|                  |             | Females | Total |                            | Females | Total |   |  |  |   |  |  |  |  |  |  |  |
| 1                | 10          | 10      | ...   | ...                        | ...     | ...   | \$40,000  | \$2,000  | \$6,000  | \$20,000  | \$1,500  | \$1,000  | \$2,000  | 60   | 300  | \$1,500  | \$4,900  |
| 2                | 8           | 8       | ...   | ...                        | ...     | ...   | 41,314  | 4,368  | 5,318  | 32,319  | 918  | 11,371   | 13,631   | 312  | 311  | 6,067  | 6,172  |
| 3                | 16          | 1       | 17    | ...                        | ...     | ...   | 75,000  | 12,500   | 16,000   | 27,000  | 13,000   | 7,000  | 5,500  | 307  | 307  | 13,500   | 17,500   |
| 4                | 8           | 8       | ...   | ...                        | ...     | ...   | 150,000   | 37,116   | 42,100   | 50,000  | 5,000  | 2,000  | 6,000  | 300  | 240  | 24,000   | 34,500   |
| 5                | ...         | ...     | ...   | ...                        | ...     | ...   | 28,500  | 762  | 843  | 7,243   | 425  | 275  | 388  | 300  | 310  | 4,375  | 6,063  |
| 6                | 9           | 2       | 11    | ...                        | ...     | ...   | 64,000  | 10,000   | 10,000   | 15,000  | 8,500  | 13,505   | 14,495   | 305  | 305  | 17,705   | 16,561   |
| Totals.....      | 41          | 8       | 44    | ...                        | ...     | ...   | \$338,314   | \$96,676   | \$30,261   | \$145,562   | \$29,943   | \$35,152   | \$41,929   | 1,568  | 1,673  | \$32,189   | \$37,384   |

Table No. 42.—Continued.

## LAMPS AND LIGHT APPARATUS.

| OFFICE<br>NUMBER | TOTAL AMOUNT PAID<br>IN 1886 FOR |       |           |          | Capital invested | OFFICE HELP<br>Average amount paid each month<br>to each class |                |                 |                |                  |                |                 |                |                   |                |                                 |                                   | LAMP MAKERS                   |                                 |                                |                                  |  |  |
|------------------|----------------------------------|-------|-----------|----------|------------------|--|----------------|-----------------|----------------|------------------|----------------|-----------------|----------------|-------------------|----------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|--|--|
|                  | Rent                             | Taxes | Insurance | Total    |                  | Managers<br>and<br>Foremen                                     |                | Salesmen        |                | Book-<br>keepers |                | Clerks          |                | Stenographers     |                | Males employed over<br>16 years | Females employed<br>over 16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females |  |  |
|                  |                                  |       |           |          |                  | No. of<br>Males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>males  | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females | Amount<br>Paid |                                 |                                   |                               |                                 |                                |                                  |  |  |
| 1.               | \$ 1,500                         | \$ 60 | \$ 166    | \$ 1,726 | \$17,500         | 2  | \$ 163         | 2               | \$ 125         | 1                | \$ 75          | 1               | \$ 50          | 1                 | \$ 50          | 18                              | 100                               | \$2.00                        | \$1.00                          | 10                             | 10                               |  |  |
| 2.               | 1,000                            | 90    | 159       | 1,249    | 15,764           | 1  | 75             | 1               | 75             | 1                | 150            | 1               | 100            | 1                 | 100            | 10                              | 100                               | \$2.00                        | \$1.00                          | 10                             | 10                               |  |  |
| 3.               | 1,788                            | 124   | 981       | 2,903    | 122,000          | 2  | 175            | 1               | 100            | 1                | 100            | 2               | \$ 53          | 1                 | 100            | 18                              | 100                               | \$2.00                        | \$1.00                          | 10                             | 10                               |  |  |
| 4.               | 8,200                            | 916   | 4,116     | 16,000   | 16,000           | 4  | 279            | 6               | 100            | 1                | 100            | 2               | 53             | 1                 | 100            | 18                              | 100                               | \$2.00                        | \$1.00                          | 10                             | 10                               |  |  |
| 5.               | 2,000                            | 70    | 122       | 2,122    | 8,500            | 3  | 100            | 3               | 100            | 1                | 50             | 2               | 65             | 1                 | \$50           | 100                             | 100                               | \$2.00                        | \$1.00                          | 10                             | 10                               |  |  |
| 6.               | 1,747                            | 138   | 806       | 2,691    | 75,000           | 8  | 159            | 1               | 60             | 1                | 60             | 2               | 65             | 1                 | \$50           | 100                             | 100                               | \$2.00                        | \$1.00                          | 10                             | 10                               |  |  |
| Totals           | \$11,235                         | \$492 | \$3,150   | \$14,877 | \$254,764        | 15   | \$942          | 10              | \$400          | 5                | \$435          | 4               | \$118          | 1                 | \$50           | 18                              | 100                               | \$2.00                        | \$1.00                          | 10                             | 10                               |  |  |

Table No. 42.—Continued.

## LAMPS AND LIGHT APPARATUS.

| OFFICE<br>NUMBER | CARBON<br>MAKERS                |                               |                                | METAL<br>SPINNERS               |                               |                                | MACHINISTS                      |                               |                                | TINNERS                         |                               |                                | LABORERS                        |                               |                                | HELPERS                         |                               |                                |
|------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|
|                  | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |
| 1.               | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             |
| 2.               | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             |
| 3.               | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             |
| 4.               | 45                              | \$1.87                        | 10                             | ..                              | \$2.50                        | 10                             | 4                               | \$2.50                        | 10                             | ..                              | \$2.25                        | 10                             | 3                               | \$1.50                        | ..                             | 6                               | \$1.25                        | ..                             |
| 5.               | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             |
| 6.               | ..                              | ..                            | ..                             | ..                              | ..                            | ..                             | 7                               | 2.40                          | 10                             | ..                              | ..                            | ..                             | 14                              | 1.55                          | 10                             | 12                              | .80                           | ..                             |
| Totals           | 45                              | \$1.87                        | 10                             | 2                               | \$2.50                        | 10                             | 11                              | \$4.90                        | 20                             | 5                               | \$3.25                        | 10                             | 49                              | \$4.84                        | 80                             | 18                              | \$2.05                        | 30                             |

## STAMP AND PHOTOGRAPHIC SUPPLY FACTORIES.

The reports received on this industry are tabulated in Table No. 43. They show a satisfactory condition of business as the result of operations in 1896 and no suggestions for betterment were advanced.

The average number of persons employed was 143 for the past two years. The total number of days operated last year slightly exceeded the previous year, while the excess in the amount of wages paid was \$379.

Managers were paid an average salary of \$158.33 per month; salesmen, \$105.33; bookkeepers, males \$106.60, females \$35; clerks, males \$15, females \$35.75; stenographers, females \$40.

The average daily wages paid chemists was \$3 for 10 hours; engravers, males \$1.91 for 9½ hours, females 85 cents for 9 hours; packers, females 85 cents for 10 hours; stamp makers, \$1.75 for 9 hours; general help, males \$1.75, females 80 cents for 10 hours.

Table No. 43.

PHOTOGRAPHIC SUPPLIES, STAMPS, ETC.

| OFFICE NUMBER | Corporation |         | Members |       | Private firms—male members |           | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of all stock or material used during the year 1886 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 | Total amount paid in wages during the year 1886 | TOTAL AMOUNT PAID IN 1886 FOR |           |         |           | Total   | Capital invested |
|---------------|-------------|---------|---------|-------|----------------------------|-----------|--|---|---|--|--|---|---|---|---|---|---|-------------------------------|-----------|---------|-----------|---------|------------------|
|               | Males       | Females | Total   | Males | Females                    | Total     |  |   |   |  |  |   |   |   |   |   |   | Taxes                         | Insurance | Total   |           |         |                  |
|               |             |         |         |       |                            |           |  |   |   |  |  |   |   |   |   |   |   |                               |           |         |           |         |                  |
| 1.            | 9           | 2       | 11      | 3     | 3                          | \$280,000 | \$6,200  | \$10,000  | \$150,000   | \$2,000  | \$50,000   | \$40,000  | \$40,000  | 307   | 309   | \$88,000  | \$88,000  | \$260                         | \$1,000   | \$1,250 | \$850,000 | \$1,250 | \$850,000        |
| 2.            | 2           | 1       | 3       | 1     | 1                          | 107,600   | 4,732  | 5,948   | 41,810  | 5,239  | 18,308   | 24,607  | 24,607  | 282   | 284   | 9,649   | 9,738   | 557                           | 387       | 944     | 90,000    | 944     | 90,000           |
| 3.            | 3           | 1       | 4       | 1     | 1                          | 21,000    | 3,000  | 3,000   | 8,000   | 1,000  | 1,000  | 1,000   | 1,000   | 310   | 310   | 3,200   | 3,200   | 75                            | 87        | 1,142   | 8,000     | 1,142   | 8,000            |
| 4.            | 12          | 1       | 13      | 1     | 1                          | 12,000    | 3,000  | 3,000   | 6,000   | 1,000  | 3,500  | 6,000   | 6,000   | 310   | 310   | 3,600   | 3,600   | 35                            | 150       | 1,500   | 5,000     | 1,500   | 5,000            |
| 5.            | 3           | 1       | 4       | 1     | 1                          | 20,500    | 5,500  | 6,000   | 6,000   | 300  | 3,200  | 3,200   | 3,200   | 310   | 310   | 4,000   | 4,000   | 85                            | 100       | 3,735   | 7,000     | 3,735   | 7,000            |
| 6.            | 3           | 1       | 4       | 1     | 1                          | 15,796    | 6,944  | 6,944   | 6,944   | 529  | 3,200  | 3,200   | 3,200   | 309   | 309   | 4,100   | 4,100   | 22                            | 90        | 852     | 8,885     | 852     | 8,885            |
| Totals.       | 17          | 4       | 21      | 4     | 4                          | \$438,886 | \$19,432   | \$24,948  | \$216,754   | \$10,068   | \$75,077   | \$73,940  | \$73,940  | 1,828   | 1,842   | \$82,549  | \$82,549  | \$674                         | \$1,794   | \$2,418 | \$408,825 | \$2,418 | \$408,825        |

Table No. 43.—Continued. PHOTOGRAPHIC SUPPLIES, STAMPS, ETC.

| Office Number | OFFICE HELP                                  |             |              |             |              |             |              |             |              |             | CHEMISTS                     |             |              | ENGRAVERS                    |              |             | PACKERS                      |             |              | STAMP MAKERS                 |              |             | GENERAL HELP                 |             |              |                              |              |             |                              |             |  |
|---------------|--|-------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|------------------------------|-------------|--------------|------------------------------|--------------|-------------|------------------------------|-------------|--------------|------------------------------|--------------|-------------|------------------------------|-------------|--------------|------------------------------|--------------|-------------|------------------------------|-------------|--|
|               | Average amount paid each month to each class |             |              |             |              |             |              |             |              |             | Males employed over 16 years |             |              | Males employed over 16 years |              |             | Males employed over 16 years |             |              | Males employed over 16 years |              |             | Males employed over 16 years |             |              | Males employed over 16 years |              |             | Males employed over 16 years |             |  |
|               | No. of Males                                 | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Males                 | Amount Paid | No. of Males | Amount Paid                  | No. of Males | Amount Paid | No. of Males                 | Amount Paid | No. of Males | Amount Paid                  | No. of Males | Amount Paid | No. of Males                 | Amount Paid | No. of Males | Amount Paid                  | No. of Males | Amount Paid | No. of Males                 | Amount Paid |  |
| 1             | 1  | \$915       | 1            | \$915       | 1            | \$915       | 1            | \$915       | 1            | \$915       | 1                            | \$915       | 1            | \$915                        | 1            | \$915       | 1                            | \$915       | 1            | \$915                        | 1            | \$915       | 1                            | \$915       | 1            | \$915                        | 1            | \$915       | 1                            | \$915       |  |
| 2             | 2  | 250         | 1            | 60          | 1            | 60          | 1            | 60          | 1            | 60          | 1                            | 60          | 1            | 60                           | 1            | 60          | 1                            | 60          | 1            | 60                           | 1            | 60          | 1                            | 60          | 1            | 60                           | 1            | 60          | 1                            | 60          |  |
| 3             | 2  | 75          | 1            | 40          | 1            | 40          | 1            | 40          | 1            | 40          | 1                            | 40          | 1            | 40                           | 1            | 40          | 1                            | 40          | 1            | 40                           | 1            | 40          | 1                            | 40          | 1            | 40                           | 1            | 40          | 1                            | 40          |  |
| 4             | 4  | 20          | 1            | 20          | 1            | 20          | 1            | 20          | 1            | 20          | 1                            | 20          | 1            | 20                           | 1            | 20          | 1                            | 20          | 1            | 20                           | 1            | 20          | 1                            | 20          | 1            | 20                           | 1            | 20          | 1                            | 20          |  |
| 5             | 5  | 75          | 1            | 100         | 1            | 100         | 1            | 100         | 1            | 100         | 1                            | 100         | 1            | 100                          | 1            | 100         | 1                            | 100         | 1            | 100                          | 1            | 100         | 1                            | 100         | 1            | 100                          | 1            | 100         | 1                            | 100         |  |
| 6             | 6  | 108         | 1            | 108         | 1            | 108         | 1            | 108         | 1            | 108         | 1                            | 108         | 1            | 108                          | 1            | 108         | 1                            | 108         | 1            | 108                          | 1            | 108         | 1                            | 108         | 1            | 108                          | 1            | 108         | 1                            | 108         |  |
| Totals.       | 4  | \$476       | 8            | \$216       | 6            | \$538       | 1            | \$15        | 4            | \$148       | 1                            | \$40        | 2            | \$8.00                       | 10           | \$8.00      | 10                           | \$8.00      | 10           | \$8.00                       | 10           | \$8.00      | 10                           | \$8.00      | 10           | \$8.00                       | 10           | \$8.00      | 10                           | \$8.00      |  |





## PRINTING AND ENGRAVING HOUSES.

Reports were received from 45 establishments, of which 40 are tabulated in Table No. 44—the others being incomplete. Those not tabulated reported an aggregate capital of \$107,000 and manufactures valued at \$206,000.

The answers to Question 14 show a wide range of opinion as to present condition and prospects of the printing and engraving business; some firms report business good, with bright prospects; others say their last year's operations barely paid expenses, while others report business very dull and prospects discouraging.

While the aggregate net results as shown by Table No. 44 indicate more than average returns on the capital invested, the average of wages, as compared with the previous year was not maintained. About the only practical suggestion for betterment presented is "good times"—a general revival of business induced by a larger volume of money in general circulation.

The average number of persons employed in 1895 was 2,256; in 1896 the average was 2,295. The total number of days operated in 1896 exceeded the previous year by 416, while the amount of wages paid decreased \$40,349.

The average wages paid managers was \$123.11 for males and \$57 for females per month; salesmen, \$98.52; bookkeepers, males \$74.46, females \$40.50; clerks, males \$50, females \$34; stenographers, males \$50, females \$45.05.

The average daily wages paid for manual labor was as follows:

Compositors, males \$2.50 for 9½ hours, females 98 cents for 9 5-7 hours; job printers, males \$2.64 and females \$1.39 for 9½ hours; engravers, males \$2.96 for 9 hours, females 90 cents for 8½ hours; lithographers, males \$2.83 for 9 hours, females 85 cents for 8 hours; electrotypers, \$2.25 for 9½ hours; binders, males \$1.84, females 94 cents for 9½ hours; pressmen, males \$2.16 for 9½ hours, females \$1.05 for 10 hours.

Table No. 44.

## PRINTING AND ENGRAVING.

| Office Number | Corporation |         |       | Private firms—male members | Total value of all goods manufactured during the year 1886 | Value of manufactured goods on hand January 1, 1886 | Value of manufactured goods on hand January 1, 1887 | Total value of all stock or material used during the year 1886 | Total value of supplies used—fuel, light, water, power, boxes, etc., in 1886 | Total value of stock or materials on hand January 1, 1886 | Total value of stock or materials on hand January 1, 1887 | Total number of days in operation during 1886 | Total number of days in operation during 1886 | Total amount paid in wages during the year 1886 |
|---------------|-------------|---------|-------|----------------------------|--|---|---|--|--|---|---|---|---|---|
|               | Males       | Females | Total |                            |  |   |   |  |  |   |   |   |   |   |
| 1.            | 5           |         | 5     |                            | \$791,100  | \$83,914  | \$85,877  |  |  | \$24,512  | \$25,312  | 308   | 308   | \$24,105  |
| 2.            | 5           |         | 5     |                            | 72,000   |   |   | \$20,000   | 2,500  | 12,500  | 13,500  | 313   | 313   | 34,000  |
| 3.            | 5           | 1       | 6     |                            | 300,000  | 6,500   | 7,000   | 150,000  | 3,500  | 10,500  | 12,000  | 258   | 217   | 82,000  |
| 4.            | 4           |         | 4     |                            | 151,211  |   |   | 55,181   | 3,272  | 13,000  | 12,500  | 282   | 282   | 74,916  |
| 5.            |             |         |       |                            | 6,000  | 100   | 100   | 2,000  | 60   | 500   | 400   | 300   | 225   | 4,800   |
| 6.            | 2           | 1       | 3     |                            | 20,000   | 300   | 450   | 4,750  | 300  | 600   | 700   | 315   | 314   | 8,000   |
| 7.            |             |         |       |                            | 45,168   |   |   | 14,751   | 583  | 6,750   | 7,601   | 280   | 280   | 11,748  |
| 8.            | 16          | 1       | 17    |                            | 66,000   | 500   | 500   | 25,000   | 1,195  | 1,000   | 1,000   | 300   | 300   | 35,448  |
| 9.            | 4           |         | 4     |                            | 15,000   |   |   | 400  | 750  | 1,200   | 1,800   | 313   | 314   | 5,300   |
| 10.           |             |         |       | 1                          | 21,000   | 500   | 500   | 7,500  | 500  | 1,500   | 1,500   | 120   | 310   | 3,500   |
| 11.           | 3           | 1       | 4     |                            | 86,382   | 7,383   | 6,989   | 4,516  |  |   |   | 307   | 307   | 20,400  |
| 12.           | 2           |         | 2     |                            | 214,247  | 4,370   | 4,750   | 56,386   | 2,457  | 9,857   | 12,273  | 306   | 300   | 81,707  |
| 13.           | 2           | 1       | 3     |                            | 16,220   |   |   | 3,831  | 809  | 280   | 227   | 300   | 300   | 5,013   |
| 14.           | 3           |         | 3     |                            | 18,000   | 50  | 800   | 4,469  | 250  | 5,450   | 5,700   | 310   | 310   | 6,445   |
| 15.           |             |         |       | 1                          | 32,588   |   |   | 14,000   | 679  | 5,200   | 4,500   | 300   | 300   | 12,461  |
| 16.           | 4           | 3       | 7     |                            | 80,068   | 222   | 1,414   | 25,522   | 2,552  | 2,183   | 769   | 308   | 306   | 27,412  |
| 17.           | 4           |         | 4     |                            | 34,475   | 882   | 900   | 2,500  | 1,145  | 600   | 600   | 318   | 318   | 12,250  |
| 18.           |             |         |       | 1                          | 15,000   |   |   | 7,000  |  | 500   | 500   | 313   | 313   | 3,500   |
| 19.           | 2           | 1       | 3     |                            | 107,200  | 10,400  | 7,200   | 48,000   | 2,000  | 8,000   | 6,500   | 304   | 304   | 68,148  |
| 20.           | 2           | 1       | 3     |                            | 26,882   | 328   | 340   | 4,527  | 551  | 4,068   | 3,177   | 310   | 310   | 9,187   |
| 21.           | 4           |         | 4     |                            | 15,000   |   |   | 4,500  | 320  | 50  | 20  | 308   | 308   | 8,000   |
| 22.           | 2           |         | 2     |                            | 108,000  | 3,000   | 3,500   | 43,000   |  | 2,000   | 2,500   | 300   | 300   | 28,718  |
| 23.           | 12          |         | 12    |                            | 180,000  | 35,000  | 30,000  | 42,000   | 1,200  | 18,000  | 15,000  | 300   | 300   | 144,000   |
| 24.           |             |         |       | 2                          | 3,800  |   |   |  |  |   | 150   | 308   | 309   | 1,140   |
| 25.           |             |         |       | 3                          | 20,000   |   |   | 4,000  | 400  | 100   | 100   | 310   | 311   | 1,200   |
| 26.           | 4           |         | 4     |                            | 71,731   | 10,000  | 12,000  | 16,531   | 1,808  |   | 2,233   | 307   | 307   | 19,296  |
| 27.           | 4           |         | 4     |                            | 87,104   | 23,451  | 21,841  | 23,449   | 2,380  | 1,219   | 2,380   | 252   | 259   | 25,141  |
| 28.           | 2           | 1       | 3     |                            | 110,000  | 10,800  | 10,125  | 40,000   | 1,800  | 9,600   | 9,000   | 290   | 285   | 53,814  |
| 29.           | 2           | 1       | 3     |                            | 140,000  | 500   | 700   | 36,000   | 1,100  | 2,200   | 2,600   | 304   | 306   | 53,000  |
| 30.           | 3           | 1       | 4     |                            | 80,038   | 1,200   | 1,200   | 27,140   | 1,140  | 4,000   | 4,000   | 300   | 303   | 24,047  |
| 31.           | 3           |         | 3     |                            | 16,695   |   |   | 4,000  | 375  | 300   | 325   | 307   | 307   | 7,357   |
| 32.           | 2           | 1       | 3     |                            | 24,000   |   |   | 5,000  | 1,800  | 300   | 350   | 300   | 300   | 10,000  |
| 33.           | 4           |         | 4     |                            | 80,000   |   |   | 19,754   | 1,750  | 8,400   | 3,619   | 300   | 300   | 23,462  |
| 34.           |             |         |       | 2                          | 45,000   | 1,000   | 1,000   | 16,375   | 1,900  | 5,500   | 6,000   | 304   | 303   | 12,000  |
| 35.           | 9           |         | 9     |                            | 69,658   |   |   |  |  |   |   | 309   | 309   | 45,413  |
| 36.           | 11          |         | 11    |                            | 73,000   | 1,100   | 66,000  | 15,600   | 1,400  | 7,000   | 6,500   | 303   | 296   | 28,000  |
| 37.           |             |         |       | 3                          | 8,648  |   |   | 5,184  | 252  | 100   | 100   | 310   | 310   | 1,788   |
| 38.           |             |         |       | 1                          | 12,000   | 200   | 200   | 4,000  | 1,200  | 8,600   | 3,600   |   | 310   |   |
| 39.           |             |         |       | 3                          | 17,250   |   |   | 3,000  | 2,200  |   |   | 308   | 308   | 7,500   |
| 40.           | 4           |         | 4     |                            | 103,000  | 1,000   | 1,000   | 36,000   | 1,000  | 6,300   | 6,300   | 305   | 305   | 56,000  |
| Totals..      | 125         | 14      | 139   | 19                         | \$3,723,239  | \$302,480   | \$268,886   | \$745,876  | \$45,108   | \$171,749   | \$175,206   | 11,571  | 11,967  | \$1,315,681                                     |

Table No. 44.—Cont. PRINTING AND ENGRAVING.

| Total amount paid in wages during the year 1906 | TOTAL AMOUNT PAID<br>IN 1906 FOR |         |           |           | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |             |                |             |              |             |              |             |                |             |
|---|----------------------------------|---------|-----------|-----------|------------------|---|-------------|----------------|-------------|--------------|-------------|--------------|-------------|----------------|-------------|
|   | Rent                             | Taxes   | Insurance | Total     |                  | Managers and Foremen  |             |                |             | Salesmen     |             | Bookkeepers  |             |                |             |
|   |                                  |         |           |           |                  | No. of Males  | Amount Paid | No. of Females | Amount Paid | No. of Males | Amount Paid | No. of Males | Amount Paid | No. of Females | Amount Paid |
| \$29,613  | \$21,082                         | \$ 568  | \$ 8,121  | \$29,802  | \$298,943        | 3   | \$ 245      |                |             | 6            | \$ 208      | 2            | \$ 113      |                |             |
| 28,000  | 2,500                            | 250     | 700       | 3,450     | 50,000           | 2   | 104         |                |             | 2            | 87          | 2            | 87          |                |             |
| 28,000  |                                  | 927     | 3,000     | 3,927     | 200,000          | 7   | 103         |                |             | 18           | 123         | 6            | 80          |                |             |
| 28,000  | 4,000                            | 221     | 1,457     | 5,678     | 62,100           | 4   | 150         |                |             | 2            | 75          | 1            | 83          |                |             |
| 3,450   | 966                              | 18      | 275       | 1,259     | 8,000            |   |             |                |             | 2            | 55          | 1            | 50          |                |             |
| 9,000   | 1,250                            | 80      | 200       | 1,510     | 20,000           | 1   | 88          | 1              | \$48        |              |             |              |             |                |             |
| 11,000  | 1,400                            | 80      | 523       | 2,003     | 50,000           |   |             |                |             | 3            | 68          | 1            | 95          |                |             |
| 31,580  | 2,250                            | 143     | 1,000     | 3,393     | 40,000           | 6   | 131         |                |             | 1            | 100         | 1            | 60          |                |             |
| 6,000   | 600                              | 6       | 57        | 663       | 3,000            | 1   | 65          |                |             | 1            | 60          | 1            | 40          |                |             |
| 6,000   | 400                              | 25      | 50        | 475       | 2,500            | 1   | 90          |                |             | 1            | 75          |              | 1           |                | \$40        |
| 30,410  | 4,900                            | 132     | 652       | 5,584     | 30,000           |   |             |                |             |              |             |              |             |                | 48          |
| 83,212  | 5,500                            | 441     | 3,484     | 9,425     | 108,500          | 6   | 125         |                |             | 8            | 141         | 2            | 100         | 1              | 50          |
| 3,225   | 720                              | 14      | 105       | 939       | 10,000           |   |             |                |             |              |             | 1            | 40          |                |             |
| 6,051   | 500                              | 22      | 100       | 622       | 5,000            | 1   | 100         |                |             | 1            | 125         | 1            | 80          |                |             |
| 11,121  | 1,500                            |         | 220       | 1,720     | 17,771           |   |             |                |             | 2            | 50          |              | 1           |                | 40          |
| 19,791  | 2,772                            | 120     | 854       | 3,755     | 30,000           | 1   | 65          |                |             |              |             | 1            | 38          |                |             |
| 12,373  | 840                              | 210     | 421       | 1,471     | 27,000           |   |             |                |             |              |             | 1            | 56          |                |             |
| 3,864   | 600                              |         | 68        | 668       | 5,000            |   |             |                |             |              |             | 1            | 56          |                |             |
| 45,500  | 4,900                            | 108     | 550       | 5,558     | 65,000           | 2   | 100         | 1              | 50          |              |             | 1            | 100         |                |             |
| 9,412   | 1,080                            | 58      | 273       | 1,414     | 10,000           |   |             |                |             |              |             | 1            | 75          |                |             |
| 7,500   | 780                              | 27      | 15        | 825       | 10,000           | 1   | 100         |                |             | 2            |             | 1            | 25          |                |             |
| 36,294  | 1,500                            | 172     | 1,200     | 2,872     | 50,000           | 2   | 250         |                |             | 2            | 87          | 1            | 125         |                |             |
| 132,000   | 3,768                            | 308     | 1,420     | 5,496     | 225,000          | 6   | 100         |                |             | 5            | 150         | 2            | 75          |                |             |
| 1,248   |                                  |         |           |           | 1,000            |   |             |                |             |              |             |              |             |                |             |
| 1,300   | 900                              | 50      | 150       | 1,100     | 10,000           |   |             |                |             |              |             |              |             |                |             |
| 14,642  | 2,400                            | 62      | 1,028     | 3,490     | 50,000           | 5   | 150         | 1              | 75          | 1            | 80          | 1            | 88          |                |             |
| 37,288  | 3,600                            | 228     | 825       | 4,653     | 50,000           | 3   | 150         |                |             | 2            | 75          | 1            | 150         |                |             |
| 52,900  | 1,500                            | 277     | 2,050     | 3,827     | 50,000           | 7   | 125         |                |             | 8            | 120         | 1            | 75          |                |             |
| 55,000  | 6,000                            | 297     | 561       | 6,858     | 50,000           | 6   | 150         | 1              | 55          | 3            | 125         | 2            | 90          |                |             |
| 27,042  | 2,100                            | 57      | 448       | 2,605     | 10,000           | 1   | 217         |                |             | 2            | 220         | 1            | 87          |                |             |
| 7,618   | 484                              | 38      | 100       | 622       | 10,000           | 2   | 75          |                |             |              |             | 1            | 40          |                |             |
| 11,180  | 1,200                            | 50      | 75        | 1,325     | 8,000            | 1   | 250         |                |             |              |             | 1            | 83          |                |             |
| 22,397  | 1,125                            | 128     | 800       | 2,053     | 21,450           | 2   | 250         |                |             | 2            | 288         | 1            | 78          |                |             |
| 14,500  | 1,200                            | 65      | 570       | 1,835     | 20,000           | 2   | 110         |                |             | 1            | 85          | 1            | 65          |                |             |
| 47,290  | 900                              |         | 28        | 928       | 8,681            |   |             |                |             |              |             |              |             |                |             |
| 23,000  | 2,100                            | 61      | 400       | 2,561     | 23,350           |   |             |                |             | 1            | 51          | 1            | 92          |                |             |
| 1,981   | 848                              | 18      | 21        | 887       | 1,500            |   |             |                |             |              |             |              |             |                |             |
| 3,515   | 600                              |         |           | 600       | 2,500            | 1   | 85          |                |             | 1            | 50          |              | 1           |                | 80          |
| 8,000   | 470                              | 15      | 80        | 515       | 4,000            | 1   | 100         |                |             |              |             |              | 1           |                | 40          |
| 55,000  | 2,508                            | 250     | 1,400     | 4,158     | 50,000           | 6   | 116         |                |             | 3            | 65          | 1            | 75          |                |             |
| 11,275,332                                      | \$81,153                         | \$5,535 | \$38,234  | \$119,922 | \$1,008,295      | 81  | \$3,594     | 4              | \$228       | 81           | \$2,468     | 40           | \$2,234     | 6              | \$243       |

Table No. 44—Cont. PRINTING AND ENGRAVING.

| OFFICE<br>NUMBER | OFFICE HELP  |                |                    |                | COMPOSITORS                     |                                   |                               |                                 |                                |                                  | JOB PRINTERS                    |                                   |                               |                                 |                                |                                  |
|------------------|--|----------------|--------------------|----------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|
|                  | Average amount<br>paid each month to<br>each class |                |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
|                  | Clerks   |                | Steno-<br>graphers |                | Males employed over<br>16 years | Females employed over<br>16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Females employed over<br>16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females |
|                  | No. of<br>Males                                    | Amount<br>Paid | No. of<br>Females  | Amount<br>Paid |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 1                | 5  | \$ 40          | 2                  | \$ 64          | 83                              | 18                                | \$2.43                        | \$1.15                          | 10                             | 10                               | 84                              | 102                               | \$2.40                        | \$1.55                          | 10                             | 10                               |
| 2                | 3  | 41             | 1                  | 87             | 12                              |                                   | 3.00                          |                                 | 9                              |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 3                | 20   | 42             | 4                  | 43             | 13                              |                                   | 3.00                          |                                 | 10                             |                                  | 25                              | 16                                | 2.20                          | 1.15                            | 10                             | 10                               |
| 4                | 2  | 80             | 2                  | 36             | 20                              |                                   | 2.15                          |                                 | 10                             |                                  | 2                               |                                   | 2.50                          |                                 | 10                             |                                  |
| 5                | 1  | 20             |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 6                |  |                |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 7                | 1  | 100            | 1                  | 35             | 1                               |                                   | 2.00                          |                                 | 9                              |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 8                | 3  | 61             | 1                  | 70             | 5                               |                                   | 3.15                          |                                 | 9                              |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 9                |  |                |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 10               |  |                | 1                  | 40             |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 11               |  |                | 1                  | 40             | 15                              |                                   | 2.30                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 12               | 5  | 60             | 2                  | 60             | 40                              |                                   | 2.80                          |                                 | 10                             |                                  | 4                               | 4                                 | 3.80                          | 2.70                            | 10                             | 9                                |
| 13               |  |                |                    |                | 5                               |                                   | 2.00                          |                                 | 9                              |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 14               | 1  | 50             |                    |                | 2                               |                                   | 3.00                          | .60                             | 10                             | 94                               |                                 |                                   |                               |                                 |                                |                                  |
| 15               | 1  | 25             |                    |                | 6                               |                                   | 3.00                          | 1.00                            | 10                             | 10                               |                                 |                                   |                               |                                 |                                |                                  |
| 16               | 1  |                |                    |                | 27                              | 3                                 | 1.35                          | 1.15                            | 10                             | 10                               |                                 |                                   |                               |                                 |                                |                                  |
| 17               |  |                |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 18               |  |                |                    |                | 5                               |                                   | 2.35                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 19               | 2  | 40             | 1                  | 50             | 12                              |                                   | 2.50                          |                                 | 8                              |                                  | 3                               |                                   | 3.00                          |                                 | 8                              |                                  |
| 20               |  |                |                    |                | 7                               |                                   | 1.92                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 21               | 1  |                |                    |                | 7                               | 1                                 | 3.00                          | 1.00                            | 9                              | 9                                |                                 |                                   |                               |                                 |                                |                                  |
| 22               | 1  | 90             |                    |                | 20                              |                                   | 3.00                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 23               | 3  | 75             | 2                  | 25             | 6                               |                                   | 3.00                          |                                 | 9                              |                                  | 9                               |                                   | 3.00                          |                                 | 9                              |                                  |
| 24               |  |                |                    |                | 6                               |                                   | 1.60                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 25               |  |                |                    |                | 3                               |                                   | 2.67                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 26               |  |                |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 27               | 2  | 90             | 1                  | 35             | 11                              |                                   | 3.00                          |                                 | 10                             |                                  | 2                               |                                   | 2.20                          |                                 | 9                              |                                  |
| 28               | 4  | 50             |                    |                | 15                              |                                   | 3.00                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 29               | 3  | 60             | 1                  | 50             | 26                              |                                   | 3.00                          |                                 | 10                             |                                  | 2                               |                                   | 3.00                          |                                 | 10                             |                                  |
| 30               | 5  | 28             | 1                  | 30             | 18                              |                                   | 3.00                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 31               |  |                |                    |                | 12                              | 3                                 | 1.50                          | 1.00                            | 10                             | 10                               |                                 |                                   |                               |                                 |                                |                                  |
| 32               |  |                |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 33               |  |                | 1                  | 40             |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 34               |  |                | 1                  | 35             | 10                              |                                   | 2.00                          |                                 | 10                             |                                  | 3                               | 10                                | 1.10                          | .66                             | 10                             | 10                               |
| 35               |  |                |                    |                | 16                              | 4                                 | 2.00                          | 1.00                            | 9                              | 9                                |                                 |                                   |                               |                                 |                                |                                  |
| 36               | 4  | 33             | 1                  | 35             | 10                              |                                   | 2.25                          |                                 | 10                             |                                  | 4                               |                                   | 2.75                          |                                 | 10                             |                                  |
| 37               |  |                |                    |                | 2                               |                                   | 3.00                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 38               | 1  | 40             |                    |                | 2                               |                                   | 1.50                          |                                 | 10                             |                                  | 1                               |                                   | 3.33                          |                                 | 10                             |                                  |
| 39               |  |                |                    |                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 40               | 1  | 25             | 1                  | 36             | 25                              |                                   | 3.00                          |                                 | 10                             |                                  |                                 |                                   |                               |                                 |                                |                                  |
| Totals.....      | 68   | \$1,000        | 27                 | \$811          | 442                             | 29                                | \$77.47                       | \$6.90                          | 301                            | 68                               | 139                             | 132                               | \$29.08                       | \$5.56                          | 106                            | 3                                |

Table No. 44—Cont. PRINTING AND ENGRAVING

| ENGINEERS                       |                               |                                | LITHO-<br>GRAPHERS              |                               |                                | ELECTRO-<br>TYPERS              |                               |                                | BINDERS                         |                                   |                               |                                 |                                | PRESSMEN                         |                                 |                                   |                               |                                 |                                |                                  |
|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|---------------------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------------------------|
| Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Females employed over<br>16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females | Males employed over<br>16 years | Females employed over<br>16 years | Average daily wages—<br>males | Average daily wages—<br>females | Hours of daily labor—<br>males | Hours of daily labor—<br>females |
| 10                              | \$1.90                        | 8                              | 28                              | \$2.70                        | 8                              | 34                              | \$1.30                        | 10                             | 14                              | 7                                 | \$1.50                        |                                 | 10                             |                                  | 68                              | 9                                 | \$2.55                        | \$1.05                          | 10                             | 10                               |
| 16                              | 3.15                          | 9                              |                                 |                               |                                | 12                              | 2.50                          | 9                              | 8                               | 7                                 | 2.12                          | \$1.00                          | 10                             | 10                               | 11                              | 6                                 | 2.00                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                | 23                              | 2.40                          | 10                             | 36                              | 40                                | 1.65                          | .78                             | 10                             | 10                               | 36                              | 4                                 | 1.85                          | 1.00                            | 10                             | 10                               |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 12                              | 4                                 | 2.20                          | .75                             | 10                             | 10                               | 1                               | 1                                 | 2.33                          |                                 | 10                             |                                  |
| 11                              | 2.65                          | 9                              | 9                               | 1.00                          | 9                              |                                 |                               |                                | 3                               | 9                                 | 2.66                          | 1.15                            | 9                              | 9                                | 6                               |                                   | 3.30                          |                                 | 9                              |                                  |
| 15                              | 2.22                          | 9                              | 9                               | 2.15                          | 9                              |                                 |                               |                                | 8                               | 9                                 | .70                           |                                 | 9                              | 9                                | 3                               |                                   | 1.08                          |                                 | 9                              |                                  |
| 10                              | 2.00                          | 8                              |                                 |                               |                                |                                 |                               |                                |                                 |                                   | 2.23                          | .80                             | 9                              | 9                                |                                 |                                   |                               |                                 |                                |                                  |
| 4                               | 1.60                          | 9                              |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
| 3                               | 3.80                          | 8                              | 5                               | 2.95                          | 9                              | 11                              | 1.88                          | 10                             | 6                               | 11                                | 2.60                          | 1.00                            | 10                             | 10                               | 10                              |                                   | 1.40                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 30                              | 24                                | 2.17                          | 1.10                            | 10                             | 10                               | 18                              |                                   | 1.90                          |                                 | 9                              |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 1                               |                                   | 2.25                          |                                 | 9                              |                                  | 4                               |                                   | 1.60                          |                                 | 9                              |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 3                               | 6                                 | 2.00                          | .80                             | 10                             | 10                               | 4                               |                                   | 1.20                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  | 9                               | 3                                 | 1.83                          | 1.00                            | 10                             | 10                               |
|                                 |                               |                                |                                 |                               |                                | 4                               | 2.50                          | 9                              | 5                               | 10                                | 1.00                          | .85                             | 10                             | 10                               | 8                               |                                   | 2.25                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                | 8                               | 2.00                          | 8                              | 3                               | 60                                | 1.25                          | .90                             | 8                              | 12                               | 5                               |                                   | 1.75                          |                                 | 8                              |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 2                               | 6                                 | 1.69                          | .90                             | 10                             | 10                               | 5                               | 1                                 | 1.69                          |                                 | 10                             |                                  |
| 1                               | 3.50                          | 10                             | 3                               | 3.25                          | 10                             |                                 |                               |                                | 8                               | 10                                | 2.40                          | .94                             | 10                             | 10                               | 11                              |                                   | 2.40                          | 1.00                            | 10                             | 10                               |
| 10                              | 4.00                          | 8                              | 8                               | 3.00                          | 9                              |                                 |                               |                                | 10                              | 20                                | 2.50                          | 1.25                            | 9                              | 9                                | 14                              |                                   | 1.75                          |                                 | 9                              |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  | 5                               |                                   | 2.00                          |                                 | 10                             |                                  |
| 1                               | 4.16                          | 10                             | 13                              | 2.37                          | 9                              |                                 |                               |                                | 5                               | 8                                 | 1.00                          | .75                             | 9                              | 9                                | 12                              |                                   | 2.70                          |                                 | 9                              |                                  |
| 5                               | 3.50                          | 9                              | 9                               | 3.15                          | 9                              |                                 |                               |                                | 5                               | 9                                 | 2.00                          | 1.00                            | 10                             | 10                               | 16                              |                                   | 1.90                          |                                 | 9                              |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 17                              | 42                                | 1.25                          | 1.00                            | 10                             | 10                               | 12                              |                                   | 2.50                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 27                              | 22                                | 2.00                          | 1.00                            | 10                             | 10                               | 7                               | 2                                 | 3.50                          | 1.00                            | 10                             | 10                               |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                | 9                               | 8                                 | 1.50                          | 1.00                            | 10                             | 10                               | 4                               |                                   | 4.00                          |                                 | 10                             |                                  |
| 9                               | 1.65                          | 9                              | 11                              | 2.25                          | 8                              |                                 |                               |                                | 8                               | 7                                 | 2.00                          | 1.10                            | 9                              | 9                                | 9                               |                                   | 2.20                          |                                 | 9                              |                                  |
| 5                               | 3.20                          | 10                             | 6                               | 2.55                          | 9                              |                                 |                               |                                | 4                               | 5                                 | 1.50                          | .80                             | 10                             | 10                               | 9                               |                                   | 1.70                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                | 5                               | 2.50                          | 9                              | 10                              | 8                                 | 2.25                          | .90                             | 9                              | 9                                |                                 |                                   |                               |                                 |                                |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  |                                 |                                   |                               |                                 |                                |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  | 3                               |                                   | 1.50                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  | 4                               |                                   | 1.50                          |                                 | 10                             |                                  |
|                                 |                               |                                |                                 |                               |                                |                                 |                               |                                |                                 |                                   |                               |                                 |                                |                                  | 1                               |                                   | 2.50                          |                                 | 10                             |                                  |
| 2                               | 2.00                          | 10                             | 3                               | 3.50                          | 9                              | 3                               | 3.00                          | 9                              | 27                              | 22                                | 2.00                          | 1.00                            | 10                             | 10                               | 7                               | 2                                 | 3.25                          | 1.25                            | 10                             | 10                               |
| 112                             | \$47.33                       | 141                            | 122                             | \$30.70                       | 126                            | 95                              | \$17.98                       | 75                             | 223                             | 347                               | \$47.85                       | \$20.77                         | 250                            | 212                              | 320                             | 21                                | \$64.93                       | \$6.30                          | 290                            | 60                               |



## DRUGS AND CHEMICALS.

This classification includes the manufacturers of proprietary medicines, drugs, druggists' sundries, chemicals and carbonated drinks. Table No. 45 contains the tabulation of all reports which were sufficiently complete for the purposes of this investigation.

The results of the operations of manufacturers embodied in this classification were, generally, fairly satisfactory, but wages suffered a material reduction as compared with the average for 1895.

Numerous complaints are made about the scarcity of money among the people, and the consequent enforced idleness of a large percentage of the wage-earners. More money, prosperity for the farmers and steady employment at good wages for the wage-earners are the panaceas they suggest for the betterment of the condition of their business. The enactment of a rigid law against the substitution which, they allege, is practiced by dishonest druggists.

The average number of persons employed in 1895 was 789; the average for 1896 was 905.

The total number of days operated last year exceeded 1895 by 475, while the amount of wages paid, as compared with 1895 decreased \$37,674.

Managers were paid an average monthly salary of \$120.96 for males and \$39 for females; salesmen, \$107.42; bookkeepers, males \$98.63, females \$47; clerks, males \$67.11, females \$27.20; stenographers, males \$38.87, females \$39.

The average daily wages paid engineers was \$2.46 for 10 hours; machinists, \$2.32 for 10 hours; chemists, \$2.02 for 9 hours; stockmen, males \$1.60 and females 78 cents for 9½ hours; bottlers, males \$1.39 for 9½ hours, females 79 cents for 9½ hours; laborers, males \$1.33 for 9½ hours, females 88 cents for 9½ hours.



Table No. 45.

## DRUGS AND CHEMICALS.

| OFFICE<br>NUMBER | Corporation |         |       | Private firms—male members | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or material on<br>hand January 1, 1896 |
|------------------|-------------|---------|-------|----------------------------|---|--|--|---|--|---|
|                  | Members     |         |       |                            |   |  |  |   |  |   |
|                  | Males       | Females | Total |                            |   |  |  |   |  |   |
| 1.               | 3           |         | 3     |                            | \$30,277  | \$2,286  | \$1,286  | \$8,148   | \$1.65   | \$  |
| 2.               |             |         |       | 2                          | 28,400  |  | 2,178  | 20,452  | 1.96   |   |
| 3.               | 3           |         | 3     |                            | 99,711  | 6,601  | 12,128   | 31,251  | 11.33  |   |
| 4.               | 3           |         | 3     |                            | 30,000  | 8,000  | 10,000   | 13,500  | 6.30   |   |
| 5.               | 3           |         | 3     |                            | 6,200   | 1,100  | 1,200  | 3,480   | .43  |   |
| 6.               | 28          | 6       | 34    |                            | 160,517   | 14,141   | 25,562   | 51,226  | 9.17   |   |
| 7.               | 10          |         | 10    |                            | 10,700  |  | 200  | 1,500   | 1.50   |   |
| 8.               |             |         |       | 3                          |   | 20,000   | 20,000   |   | 3.00   |   |
| 9.               | 2           | 5       | 7     |                            | 311,200   | 2,500  | 1,975  | 275,190   | 20.00  |   |
| 10.              | 2           | 3       | 5     |                            | 10,000  | 300  | 300  | 5,000   | 1.00   |   |
| 11.              | 3           |         | 3     |                            | 45,000  | 10,000   | 12,000   | 24,000  | 2.00   |   |
| 12.              | 3           |         | 3     |                            | 15,276  | 1,580  | 5,714  | 6,482   | .62  |   |
| 13.              | 5           | 1       | 6     |                            | 60,000  | 5,000  | 5,000  | 30,000  |  |   |
| 14.              | 3           | 3       | 6     |                            | 123,249   | 11,603   | 6,308  | 56,972  | 4.10   |   |
| 15.              | 3           |         | 3     |                            | 112,146   | 14,195   | 12,737   | 42,000  | 11.50  |   |
| 16.              | 3           |         | 3     |                            | 60,000  | 5,000  | 5,000  | 20,000  | 1.30   |   |
| 17.              | 2           | 1       | 3     |                            | 54,000  | 7,500  | 8,000  | 23,000  | .80  |   |
| 18.              | 5           | 1       | 6     |                            | 324,229   | 23,617   | 20,905   | 50,685  | 28.95  |   |
| 19.              | 2           |         | 2     |                            | 6,000   | 5,000  | 500  | 2,500   |  |   |
| 20.              | 12          | 4       | 16    |                            | 20,553  | 1,200  | 1,500  | 8,400   | .30  |   |
| 21.              | 3           |         | 3     |                            | 8,900   | 1,719  | 2,772  |   |  |   |
| 22.              |             |         |       | 1                          | 30,000  | 2,000  | 1,500  | 5,000   | 2.00   |   |
| 23.              |             |         |       | 2                          | 63,799  | 1,500  | 3,800  | 32,088  |  |   |
| 24.              |             |         |       | 2                          | 15,000  | 500  | 500  | 2,500   | 1.00   |   |
| 25.              | 5           |         | 5     |                            | 19,000  | 100  | 100  | 4,000   | 3.00   |   |
| 26.              |             |         |       | 4                          | 34,844  | 100  | 100  | 5,794   | 5.00   |   |
| 27.              | 3           |         | 3     |                            | 75,000  |  |  | 60,000  |  |   |
| 28.              |             |         |       | 2                          | 15,000  | 100  | 100  | 1,200   | .80  |   |
| 29.              | 5           |         | 5     |                            | 14,237  | 338  | 504  | 7,080   | .30  |   |
| 30.              |             |         |       | 1                          | 4,561   | 50   | 50   | 1,302   | .58  |   |
| 31.              |             |         |       | 1                          | 7,000   | 1,500  | 1,000  | 1,750   | .20  |   |
| 32.              | 2           | 1       | 3     |                            | 3,000   | 600  | 500  | 4,500   | .10  |   |
| 33.              | 2           | 2       | 4     |                            | 10,000  | 2,000  | 2,000  | 1,000   | .60  |   |
| 34.              | 3           | 1       | 3     |                            | 829,297   | 8,000  | 8,000  | 641,101   | 64.91  |   |
| 35.              | 3           |         | 3     |                            | 150,000   | 20,000   | 18,000   | 75,000  | 1.00   |   |
| 36.              |             |         |       | 1                          |   | 50   | 50   | 4,214   | .25  |   |
| 37.              |             |         |       | 1                          | 19,673  | 167  | 116  | 3,877   | .30  |   |
| 38.              | 4           |         | 4     |                            | 45,985  | 17,499   | 20,910   | 23,301  | 5.12   |   |
| 39.              | 3           |         | 3     |                            | 28,700  |  |  | 9,574   | 1.03   |   |
| 40.              | 3           |         | 3     |                            | 50,000  | 500  | 500  | 23,000  | 14.00  |   |
| 41.              | 3           |         | 3     |                            | 22,676  | 3,432  |  |   |  |   |
| 42.              | 4           |         | 4     |                            | 2,400   | 500  | 600  | 800   | .30  |   |
| Totals           | 136         | 28      | 164   | 20                         | \$2,967,390   | \$209,488  | \$213,940  | \$1,561,910   | \$204.38   | \$5,200   |



**WHOLESALE HOUSE OF TOOTLE, WHEELER & MOTTER DRY GOODS CO.,  
ST. LOUIS, MO.**



Table No. 45.—Cont. DRUGS AND CHEMICALS.

| Hand January 1, 1897 | Total number of days in operation during 1896 | Total number of days in operation during 1896 | Total amount paid in wages during the year 1896 | Total amount paid in wages during the year 1896 | TOTAL AMOUNT PAID<br>IN 1896 FOR |          |           |          | Capital invested | OFFICE HELP<br>Average amount paid each month to each class |             |                |             |     |         |     |
|----------------------|---|---|---|---|----------------------------------|----------|-----------|----------|------------------|---|-------------|----------------|-------------|-----|---------|-----|
|                      |   |   |   |   | Rent                             | Taxes    | Insurance | Total    |                  | Managers and Foremen  |             | Salesmen       |             |     |         |     |
|                      |   |   |   |   |                                  |          |           |          |                  | No. of Males  | Amount Paid | No. of Females | Amount Paid |     |         |     |
| 1,305                | 276   | 280   | \$8,628   | \$7,398   | \$960                            | \$298    | \$635     | \$1,863  | \$20,000         | 2   | \$175       | 1              | \$8         | 2   | \$47    |     |
| 0,445                | 181   | 181   | 1,721   | 688   | 1,721                            | 5        | 246       | 964      | 48,277           | 2   | 19          | 2              | 19          | 2   | 19      |     |
| 4,711                | 306   | 296   | 5,188   | 4,232   | 2,300                            | 164      | 356       | 2,830    | 5,000            | 2   | 175         | 2              | 175         | 2   | 175     |     |
| 0,000                | 313   | 314   | 7,960   | 6,500   | 4,800                            | 125      | 250       | 5,175    | 16,000           | 1   | 86          | 1              | 86          | 1   | 100     |     |
| 1,200                | 300   | 300   | 3,250   | 3,452   | 960                              | 86       | 69        | 1,064    | 5,500            | 1   | 50          | 1              | 50          | 1   | 50      |     |
| 6,886                | 300   | 275   | 29,254  | 27,976  | 229                              | 229      | 1,778     | 2,007    | 400,000          | 2   | 187         | 2              | 187         | 2   | 175     |     |
| 200                  | 313   | 313   | 2,171   | 2,596   | 240                              | 20       | 75        | 335      | 8,520            | 1   | 75          | 1              | 75          | 1   | 75      |     |
| 0,000                | 250   | 250   | 11,000  | 11,000  | 600                              | 250      | 1,800     | 2,150    | 50,000           | 1   | 100         | 1              | 100         | 1   | 100     |     |
| 7,400                | 275   | 298   | 20,000  | 21,000  | 1,206                            | 80       | 2,544     | 3,840    | 250,000          | 1   | 100         | 2              | 206         | 2   | 206     |     |
| 1,000                | 310   | 312   | 60,184  | 4,720   | 980                              | 96       | 516       | 15,000   | 15,000           | 1   | 100         | 2              | 88          | 2   | 88      |     |
| 500                  | 312   | 330   | 10,000  | 11,000  | 1,500                            | 204      | 1,850     | 8,064    | 50,000           | 1   | 75          | 1              | 125         | 1   | 125     |     |
| 7,421                | 310   | 311   | 2,850   | 2,585   | 700                              | 47       | 120       | 867      | 8,900            | 3   | 94          | 1              | 50          | 1   | 50      |     |
| 5,000                | 313   | 314   | 2,000   | 2,000   | 1,200                            | 100      | 100       | 1,400    | 50,000           | 2   | 125         | 1              | 75          | 1   | 75      |     |
| 8,684                | 310   | 311   | 1,076   | 1,308   | 1,500                            | 71       | 376       | 1,947    | 102,000          | 1   | 50          | 1              | 75          | 1   | 75      |     |
| 2,800                | 302   | 300   | 81,000  | 30,900  | 220                              | 3,700    | 3,820     | 100,000  | 100,000          | 1   | 50          | 2              | 167         | 2   | 167     |     |
| 6,000                | 313   | 314   | 6,500   | 6,700   | 1,080                            | 56       | 200       | 1,335    | 50,000           | 2   | 150         | 1              | 100         | 1   | 100     |     |
| 2,500                | 300   | 300   | 8,500   | 1,500   | 1,500                            | 38       | 200       | 1,828    | 15,000           | 1   | 86          | 4              | 100         | 4   | 100     |     |
| 0,000                | 280   | 280   | 8,541   | 9,491   | 1,450                            | 446      | 1,905     | 300,000  | 300,000          | 3   | 86          | 45             | 150         | 45  | 150     |     |
| 500                  | 313   | 314   | 1,500   | 1,500   | 84                               | 45       | 139       | 10,000   | 10,000           | 1   | 100         | 1              | 67          | 1   | 67      |     |
| 3,548                | 313   | 314   | 2,840   | 3,600   | 180                              | 25       | 78        | 233      | 40,000           | 1   | 100         | 1              | 67          | 1   | 67      |     |
| 2,000                | 110   | 110   | 12,765  | 12,765  | 150                              | 11       | 36        | 197      | 10,000           | 1   | 75          | 1              | 88          | 1   | 88      |     |
| 9,547                | 310   | 313   | 5,500   | 4,900   | 400                              | 155      | 1,066     | 3,721    | 130,000          | 2   | 187         | 4              | 62          | 4   | 62      |     |
| 1,000                | 313   | 314   | 4,000   | 3,500   | 200                              | 80       | 280       | 80       | 18,000           | 1   | 75          | 4              | 60          | 4   | 60      |     |
| 300                  | 313   | 314   | 9,000   | 7,000   | 300                              | 290      | 470       | 1,080    | 30,000           | 1   | 75          | 4              | 60          | 4   | 60      |     |
| 250                  | 300   | 300   | 10,208  | 10,226  | 600                              | 80       | 690       | 1,841    | 20,000           | 2   | 100         | 5              | 95          | 5   | 95      |     |
| 5,000                | 342   | 315   | 5,400   | 5,500   | 1,500                            | 250      | 91        | 1,841    | 20,000           | 1   | 125         | 6              | 100         | 6   | 100     |     |
| 50                   | 300   | 300   | 5,800   | 5,200   | 400                              | 190      | 80        | 670      | 14,000           | 1   | 60          | 3              | 83          | 3   | 83      |     |
| 75                   | 290   | 290   | 1,981   | 1,864   | 720                              | 91       | 811       | 15,000   | 1                | 100   | 1           | 100            | 1           | 100 | 1       | 100 |
| 500                  | 313   | 314   | 852   | 786   | 20                               | 14       | 43        | 3,300    | 3,300            | 1   | 16          | 2              | 150         | 2   | 150     |     |
| 450                  | 312   | 312   | 400   | 500   | 120                              | 12       | 132       | 2,250    | 2,250            | 1   | 16          | 2              | 100         | 2   | 100     |     |
| 700                  | 313   | 314   | 700   | 900   | 175                              | 45       | 70        | 295      | 6,500            | 1   | 167         | 2              | 83          | 2   | 83      |     |
| 2,000                | 313   | 313   | 6,000   | 6,000   | 420                              | 50       | 50        | 520      | 120,000          | 1   | 167         | 3              | 172         | 3   | 172     |     |
| 0,000                | 307   | 307   | 82,461  | 85,847  | 4,895                            | 5,838    | 10,731    | 250,000  | 2                | 875   | 1           | 112            | 2           | 75  | 2       | 75  |
| 4,000                | 281   | 282   | 23,880  | 23,880  | 351                              | 250      | 601       | 100,000  | 1                | 112   | 2           | 75             | 4           | 43  | 4       | 43  |
| 100                  | 156   | 156   | 3,450   | 3,450   | 800                              | 64       | 90        | 454      | 3,500            | 1   | 60          | 2              | 75          | 2   | 75      |     |
| 962                  | 276   | 250   | 5,764   | 5,206   | 168                              | 189      | 337       | 25,000   | 25,000           | 1   | 60          | 4              | 43          | 4   | 43      |     |
| 7,499                | 117   | 117   | 6,234   | 6,234   | 890                              | 582      | 971       | 25,000   | 25,000           | 3   | 514         | 1              | 375         | 1   | 375     |     |
| 290                  | 290   | 290   | 10,156  | 10,482  | 800                              | 83       | 193       | 2,076    | 40,000           | 1   | 150         | 3              | 100         | 3   | 100     |     |
| 750                  | 300   | 230   | 10,000  | 9,000   | 150                              | 1,000    | 1,150     | 20,000   | 1                | 150   | 8           | 80             | 1           | 75  | 1       | 75  |
| 5,041                | 313   | 313   | 4,080   | 5,177   | 823                              | 113      | 441       | 23,729   | 23,729           | 8   | 88          | 1              | 75          | 1   | 75      |     |
| 2,000                | 313   | 313   | 750   | 750   | 18                               | 125      | 143       | 27,500   | 27,500           | 1   | 75          | 1              | 75          | 1   | 75      |     |
| 0,384                | 11,356  | 11,833  | \$427,864                                       | \$390,190                                       | \$27,728                         | \$12,836 | \$24,659  | \$65,322 | \$2,501,076      | 49  | \$3,871     | 4              | \$117       | 64  | \$3,603 |     |

Table No. 45.—Cont. DRUGS AND CHEMICALS.

| OFFICE<br>NUMBER | OFFICE HELP<br>Average amount paid each month to each class |                |                   |                |                 |                |                   |                |                 |                |                   |                | ENGINEERS                       |                               |                                | MACHINISTS                      |                               |                                |
|------------------|---|----------------|-------------------|----------------|-----------------|----------------|-------------------|----------------|-----------------|----------------|-------------------|----------------|---------------------------------|-------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|
|                  | Bookkeepers   |                |                   |                | Clerks          |                |                   |                | Stenographers   |                |                   |                | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males | Males employed over<br>16 years | Average daily wages—<br>males | Hours of daily labor—<br>males |
|                  | No. of<br>Males   | Amount<br>Paid | No. of<br>Females | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Females | Amount<br>Paid |                                 |                               |                                |                                 |                               |                                |
|                  |   |                |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 1                |   |                |                   |                |                 |                |                   |                |                 |                |                   |                | 2                               | \$3.25                        | 10                             | 1                               | \$3.00                        | 10                             |
| 2                |   |                | 1                 | \$60           | 2               | \$23           | 1                 | \$22           |                 |                | 1                 | \$35           |                                 |                               |                                |                                 |                               |                                |
| 3                | 1   | \$200          |                   |                | 1               | 100            |                   |                |                 |                | 1                 | 45             |                                 |                               |                                |                                 |                               |                                |
| 4                | 1   | 100            |                   |                |                 |                | 4                 | 25             |                 |                |                   | 50             |                                 |                               |                                |                                 |                               |                                |
| 5                |   |                | 1                 | 24             |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 6                | 1   | 150            |                   |                |                 |                |                   |                | 1               | \$70           |                   |                |                                 |                               |                                |                                 |                               |                                |
| 7                |   |                |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 8                | 1   | 100            |                   |                | 2               | 75             |                   |                | 1               | 42             |                   |                |                                 |                               |                                |                                 |                               |                                |
| 9                | 1   | 88             |                   |                | 2               | 83             |                   |                | 1               | 42             |                   |                |                                 |                               |                                |                                 |                               |                                |
| 10               |   |                |                   |                |                 |                |                   |                | 1               | 40             |                   |                |                                 |                               |                                |                                 |                               |                                |
| 11               | 1   | 88             |                   |                | 2               | 41             |                   |                |                 |                | 1                 | 36             | 8                               | 2.38                          | 10                             |                                 |                               |                                |
| 12               |   |                | 1                 | 30             |                 |                |                   |                |                 |                | 1                 | 40             |                                 |                               |                                |                                 |                               |                                |
| 13               |   |                | 1                 | 60             |                 |                |                   |                |                 |                | 1                 | 40             |                                 |                               |                                |                                 |                               |                                |
| 14               |   |                | 2                 | 83             | 2               | 85             |                   |                |                 |                | 1                 | 50             | 4                               | 2.50                          | 10                             | 3                               | 2.25                          | 10                             |
| 15               | 1   | 80             |                   |                | 5               | 53             |                   |                | 2               | 50             | 1                 | 50             |                                 |                               |                                |                                 |                               |                                |
| 16               | 1   | 100            |                   |                | 2               | 80             |                   |                |                 |                | 2                 | 50             |                                 |                               |                                |                                 |                               |                                |
| 17               | 1   | 40             |                   |                |                 |                |                   |                |                 |                | 1                 | 32             |                                 |                               |                                |                                 |                               |                                |
| 18               | 1   | 100            |                   |                | 2               | 75             | 2                 | 40             |                 |                | 2                 | 50             |                                 |                               |                                |                                 |                               |                                |
| 19               |   |                |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 20               | 1   | 50             |                   |                | 1               | 16             | 1                 | 32             |                 |                | 1                 | 36             |                                 |                               |                                |                                 |                               |                                |
| 21               |   |                |                   |                |                 |                |                   |                |                 |                |                   |                | 8                               | 2.00                          | 10                             |                                 |                               |                                |
| 22               | 1   | 75             |                   |                |                 |                |                   |                |                 |                |                   |                | 1                               | 1.75                          | 10                             |                                 |                               |                                |
| 23               |   |                | 2                 | 53             | 1               | 50             |                   |                | 1               | 30             |                   |                |                                 |                               |                                |                                 |                               |                                |
| 24               | 1   | 75             |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 25               | 1   | 50             |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 26               | 1   | 50             |                   |                |                 |                |                   |                |                 |                | 5                 | 40             |                                 |                               |                                |                                 |                               |                                |
| 27               | 1   | 75             |                   |                | 3               | 40             |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 28               |   |                | 1                 | 30             |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 29               |   |                |                   |                |                 |                |                   |                |                 |                |                   |                | 1                               | 2.00                          | 10                             | 1                               | 2.00                          | 10                             |
| 30               |   |                |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 31               |   |                |                   |                | 1               | 30             |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 32               |   |                |                   |                | 2               | 35             |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 33               | 1   | 42             |                   |                |                 | 33             | 1                 | 17             | 1               | 42             |                   |                |                                 |                               |                                |                                 |                               |                                |
| 34               | 3   | 108            |                   |                | 12              | 81             |                   |                |                 |                | 3                 | 47             | 2                               | 3.70                          | 10                             | 5                               | 2.80                          | 10                             |
| 35               | 2   | 84             |                   |                |                 |                |                   |                |                 |                | 1                 | 50             |                                 |                               |                                |                                 |                               |                                |
| 36               |   |                |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| 37               |   |                |                   |                | 1               | 75             |                   |                |                 |                |                   |                |                                 |                               |                                | 1                               | 2.00                          |                                |
| 38               | 1   | 875            |                   |                | 1               | 216            |                   |                |                 |                |                   |                | 3                               | 2.35                          | 10                             | 2                               | 2.00                          |                                |
| 39               |   |                |                   |                |                 |                |                   |                |                 |                |                   |                | 2                               | 2.25                          | 10                             | 2                               | 2.00                          |                                |
| 40               | 1   | 75             |                   |                |                 |                |                   |                | 1               | 40             |                   |                |                                 |                               |                                |                                 |                               |                                |
| 41               | 1   | 75             |                   |                |                 |                |                   |                |                 |                | 1                 | 35             |                                 |                               |                                | 5                               | 2.50                          |                                |
| 42               |   |                |                   |                |                 |                |                   |                |                 |                |                   |                |                                 |                               |                                |                                 |                               |                                |
| Totals,.....     | 27  | \$2,170        | 9                 | \$329          | 41              | \$1,141        | 9                 | \$136          | 9               | \$356          | 22                | \$585          | 26                              | \$22.18                       | 90                             | 20                              | \$13.55                       | 2                              |

Table No. 45.—Cont. DRUGS AND CHEMICALS.

| CHEMISTS                     |                           |                            | STOCKMEN                     |                                |                           | BOTTLERS                    |                            |                              | LABORERS                     |                                |                           |                             |                            |                              |
|------------------------------|---------------------------|----------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|------------------------------|--------------------------------|---------------------------|-----------------------------|----------------------------|------------------------------|
| Males employed over 16 years | Average daily wages—males | Hours of daily labor—males | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females | Males employed over 16 years | Females employed over 16 years | Average daily wages—males | Average daily wages—females | Hours of daily labor—males | Hours of daily labor—females |
| 10                           | \$1.75                    | 10                         | 20                           | 11                             | \$0.62                    | \$0.55                      | 9                          | 9                            | 10                           | 2                              | \$1.75                    | \$0.75                      | 10                         | 10                           |
| 10                           | 1.50                      | 8                          | 40                           | 5                              | 1.50                      | 1.00                        | 10                         | 10                           | 54                           | 3                              | 1.50                      | 1.20                        | 10                         | 8                            |
| 10                           | 1.50                      | 8                          | 1                            | 1                              | 1.10                      | 1.00                        | 10                         | 10                           | 20                           | 3                              | 1.50                      |                             | 10                         |                              |
| 10                           | 2.15                      | 10                         | 2                            | 4                              | 2.00                      | 1.00                        | 10                         | 10                           | 7                            | 1                              | 1.00                      |                             | 10                         |                              |
| 10                           | 2.00                      | 10                         | 7                            | 6                              | 1.00                      | 1.00                        | 84                         | 74                           | 27                           | 6                              | 1.00                      |                             | 10                         | 10                           |
| 10                           | 2.00                      | 10                         | 11                           | 8                              | 1.80                      | 1.00                        | 84                         | 74                           | 2                            | 3                              | 1.00                      |                             | 10                         | 10                           |
| 10                           | 2.00                      | 10                         | 2                            | 1                              | 1.50                      | 1.00                        | 10                         | 10                           | 2                            | 2                              | 1.50                      |                             | 10                         | 10                           |
| 10                           | 2.00                      | 10                         | 1                            | 1                              | 1.75                      | 1.00                        | 10                         | 10                           | 3                            | 2                              | 1.45                      |                             | 10                         | 10                           |
| 10                           | 2.50                      | 10                         | 5                            |                                | .75                       |                             | 9                          |                              | 21                           | 19                             | 1.50                      |                             | 10                         | 10                           |
| 10                           | 2.50                      | 10                         |                              |                                |                           |                             | 4                          | 10                           | 5                            | 3                              | 1.40                      |                             | 10                         |                              |
| 10                           | 1.66                      | 7                          |                              |                                |                           |                             |                            |                              | 3                            | 3                              | 1.50                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 5                            | 3                              | 1.50                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 12                           | 5                              | 1.50                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 1                            | 1                              | 1.25                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 1                            | 1                              | 1.50                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 1                            | 1                              | 1.05                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 2                            | 2                              | 1.50                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 64                           | 52                             | 1.81                      |                             | 10                         | 10                           |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 3                            | 7                              | 1.80                      |                             | 8                          | 8                            |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 2                            |                                | 1.40                      |                             | 8                          |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 13                           |                                | 1.50                      |                             | 9                          |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 28                           |                                | 1.35                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 10                           |                                | 1.50                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 12                           |                                | 1.50                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              | 4                            |                                | 1.75                      |                             | 10                         |                              |
| 10                           |                           |                            |                              |                                |                           |                             |                            |                              |                              |                                | .65                       |                             | 10                         |                              |
| 16                           | \$20.18                   | 91                         | 144                          | 55                             | \$25.70                   | \$6.28                      | 152                        | 75                           | 47                           | 93                             | \$45.40                   | \$7.04                      | 328                        | 76                           |



## PAINT, OIL AND GLASS FACTORIES.

The industries embraced in this classification, the reports on which are tabulated in Table No. 46, show fair returns on the capital invested and, generally, regarded the prospects for this year's business as satisfactory.

A few of these manufacturers reported business very dull, which condition one extensive paint manufacturer attributed to the following causes: "1. The adoption of the single gold standard. 2. The unholy alliance of capital and greed and the consequent driving out of business of small manufacturers and merchants. 3. The continued agitation of the tariff question." The remedies he suggests are: "1. A return to bimetallism. 2. Legislation against trusts and its strict enforcement. 3. Take the tariff question out of politics and appoint a nonpartisan commission to settle it upon a purely revenue basis."

The average number of persons employed in 1895 was 691; in 1896 the average was 675.

The total number of days operated in 1896 exceeded the preceding year by 220, while the amount of wages paid decreased \$9,320, showing a slight reduction in the general average of wages.

The average monthly salary paid managers was \$150.90; salesmen, \$102.81; bookkeepers, males \$87.91, females \$75; clerks \$44.40; stenographers, males \$60, females \$38.20.

Engineers and firemen were paid an average of \$2.42 for 10 hours; paint workers, males \$1.99 and females \$1.01 for 9½ hours; sample carders, males 83 cents for 8 hours, females 91 cents for 8½ hours; glass workers, \$2.51 for 9 5-7 hours; laborers, \$1.40 for 9½ hours; oil workers, \$2 for 11 hours.



Table No. 46.

## PAINT, OIL AND GLASS.

| OFFICE NUMBER |                            |         |       |   |  |  |   |  |  |  |  |  |  |  |
|---------------|----------------------------|---------|-------|---|--|--|---|--|--|--|--|--|--|--|
| Corporation   | Private firms—male members |         |       | Total value of all goods manufac-<br>tured during the year 1896 | Value of manufactured goods on<br>hand January 1, 1896 | Value of manufactured goods on<br>hand January 1, 1897 | Total value of all stock or material<br>used during the year 1896 | Total value of supplies used—fuel,<br>light, water, power, boxes, etc.,<br>in 1896 | Total value of stock or materials<br>on hand January 1, 1896 | Total value of stock or materials<br>on hand January 1, 1897 | Total number of days in operation<br>during 1896 | Total number of days in operation<br>during 1896 | Total amount paid in wages during<br>the year 1896 | Total amount paid in wages during<br>the year 1896 |
|               | Males                      | Females | Total |   |  |  |   |  |  |  |  |  |  |  |
|               |                            |         |       |   |  |  |   |  |  |  |  |  |  |  |
| 1             | 2                          | 3       | 4     | 5   | 6  | 7  | 8   | 9  | 10   | 11   | 12   | 13   | 14   | 15   |
| 2             | 2                          | 2       | 2     | \$27,200  | \$1,000  | \$1,000  | \$41,200  | \$5,150  | \$24,000   | \$20,000   | 200  | 200  | \$2,000  | \$2,000  |
| 3             | 2                          | 2       | 2     | 40,000  | 2,000  | 2,000  | 20,000  | 9,000  | 1,000  | 1,000  | 275  | 275  | 12,000   | 12,000   |
| 4             | 2                          | 2       | 2     | 14,000  | 2,000  | 2,000  | 1,000   | 1,000  | 1,000  | 1,000  | 275  | 275  | 1,000  | 1,000  |
| 5             | 6                          | 6       | 6     | 60,000  | 12,000   | 12,000   | 4,000   | 1,300  | 12,000   | 70,000   | 260  | 260  | 4,000  | 4,000  |
| 6             | 10                         | 10      | 10    | \$40,700  | \$7,984  | \$8,388  | \$22,100  | \$21,821   | \$6,527  | \$2,103  | 260  | 260  | \$2,000  | \$2,000  |
| 7             | 2                          | 2       | 2     | 20,000  | 4,500  | 4,500  | 10,640  | 960  | 1,000  | 1,000  | 275  | 275  | 2,000  | 2,000  |
| 8             | 1                          | 1       | 1     | 22,500  | 2,600  | 2,600  | 10,640  | 960  | 1,000  | 1,000  | 275  | 275  | 2,000  | 2,000  |
| 9             | 2                          | 2       | 2     | 115,000   | 15,848   | 16,500   | 80,000  | 1,300  | 12,500   | 15,500   | 315  | 315  | 8,000  | 8,000  |
| 10            | 2                          | 2       | 2     | 80,000  | 4,500  | 3,700  | 53,000  | 1,700  | 4,500  | 4,500  | 305  | 305  | 2,000  | 2,000  |
| 11            | 2                          | 2       | 2     | 40,000  | 5,000  | 5,000  | 25,000  | 1,600  | 2,000  | 2,000  | 260  | 260  | 2,000  | 2,000  |
| 12            | 2                          | 2       | 2     | 15,000  | 559  | 550  | 4,016   | 515  | 8,068  | 2,697  | 157  | 157  | 2,000  | 2,000  |
| 13            | 2                          | 2       | 2     | 15,000  | 4,000  | 4,500  | 1,200   | 4,000  | 1,796  | 6,808  | 800  | 800  | 8,000  | 8,000  |
| 14            | 2                          | 2       | 2     | 41,518  | 4,000  | 4,500  | 16,087  | 19,668   | 1,000  | 1,000  | 300  | 300  | 8,000  | 8,000  |
| 15            | 2                          | 2       | 2     | 24,000  | 5,000  | 5,000  | 15,000  | 1,500  | 1,000  | 1,000  | 300  | 300  | 8,000  | 8,000  |
| 16            | 7                          | 7       | 7     | 35,000  | 5,000  | 5,000  | 15,000  | 1,500  | 1,500  | 1,500  | 310  | 310  | 6,000  | 6,000  |
| 17            | 4                          | 4       | 4     | \$80,756  | 94,886   | 78,573   | 75,842  | 22,160   | 22,435   | 19,384   | 310  | 310  | 111,373  | 90,860   |
| 18            | 8                          | 8       | 8     | 250,000   | 250,000  | 270,000  | 60,000  | 30,000   | 8,000  | 8,000  | 200  | 200  | 145,000  | 150,000  |
| 19            | 8                          | 8       | 8     | 20,000  | 600  | 800  | 10,000  | 200  | 600  | 800  | 200  | 200  | 1,000  | 1,000  |
| 20            | 8                          | 8       | 8     | 50,000  | 500  | 500  | 8,000   | 1,000  | 500  | 1,000  | 100  | 100  | 1,000  | 2,000  |
| Totals.....   | 78                         | 81      | 81    | \$1,475,888   | \$448,066  | \$470,188  | \$409,886   | \$112,709  | \$194,307  | \$254,532  | 4,971  | 5,191  | \$557,989  | \$547,989  |

Table No. 48.—Continued.

PAINT, OIL AND GLASS.

| OFFICE NUMBER | TOTAL AMOUNT<br>PAID IN 1896 |         |           |          | Capital Invested | OFFICE HELP<br>Average amount paid each month to each class |                |                 |                 |                |                 |                  |                 |                |                 |                |                 |                |                 |                |
|---------------|------------------------------|---------|-----------|----------|------------------|---|----------------|-----------------|-----------------|----------------|-----------------|------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
|               | Rent                         | Taxes   | Insurance | Total    |                  | Managers<br>and<br>Foremen                                  |                |                 | Salesmen        |                |                 | Book-<br>keepers |                 |                | Clerks          |                |                 | Stenographers  |                 |                |
|               |                              |         |           |          |                  | No. of<br>Males   | Amount<br>Paid | No. of<br>Males | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid   | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid | No. of<br>Males | Amount<br>Paid |
| 1             | \$2,310                      | \$353   | \$618     | \$2,711  | \$100,000        | 1   | \$218          | 1               | \$30            | 1              | \$30            | 1                | \$30            | 1              | \$30            | 1              | \$30            | 1              | \$30            | 1              |
| 2             | 730                          | 40      | 260       | 2,430    | 10,000           | 80  | 80             | 1               | 80              | 1              | 80              | 1                | 80              | 1              | 80              | 1              | 80              | 1              | 80              | 1              |
| 3             | 840                          | 35      | 70        | 2,790    | 30,000           | 125   | 125            | 4               | 75              | 1              | 125             | 1                | 125             | 1              | 125             | 1              | 125             | 1              | 125             | 1              |
| 4             | 960                          | 2,816   | 5,038     | 8,874    | 450,000          | 127   | 100            | 1               | 100             | 1              | 100             | 1                | 100             | 1              | 100             | 1              | 100             | 1              | 100             | 1              |
| 5             | 100                          | 140     | 140       | 1,800    | 30,000           | 100   | 100            | 2               | 105             | 1              | 105             | 2                | 105             | 1              | 105             | 2              | 105             | 1              | 105             | 2              |
| 6             | 600                          | 197     | 238       | 1,040    | 37,500           | 100   | 100            | 2               | 105             | 1              | 105             | 2                | 105             | 1              | 105             | 2              | 105             | 1              | 105             | 2              |
| 7             | 1,800                        | 200     | 574       | 2,574    | 40,000           | 175   | 175            | 1               | 167             | 1              | 167             | 1                | 167             | 1              | 167             | 1              | 167             | 1              | 167             | 1              |
| 8             | 1,800                        | 199     | 510       | 2,499    | 60,000           | 150   | 150            | 8               | 94              | 1              | 94              | 1                | 94              | 1              | 94              | 1              | 94              | 1              | 94              | 1              |
| 9             | 2,400                        | 225     | 1,000     | 3,625    | 50,000           | 200   | 200            | 4               | 80              | 1              | 80              | 1                | 80              | 1              | 80              | 1              | 80              | 1              | 80              | 1              |
| 10            | 600                          | 47      | 600       | 1,247    | 15,000           | 145   | 145            | 1               | 75              | 1              | 75              | 1                | 75              | 1              | 75              | 1              | 75              | 1              | 75              | 1              |
| 11            | 480                          | 55      | 75        | 610      | 5,000            | 60  | 60             | 1               | 75              | 1              | 75              | 1                | 75              | 1              | 75              | 1              | 75              | 1              | 75              | 1              |
| 12            | 124                          | 124     | 98        | 217      | 20,000           | 150   | 150            | 1               | 75              | 1              | 75              | 1                | 75              | 1              | 75              | 1              | 75              | 1              | 75              | 1              |
| 13            | 273                          | 273     | 286       | 679      | 20,000           | 200   | 200            | 2               | 50              | 1              | 50              | 2                | 50              | 1              | 50              | 2              | 50              | 1              | 50              | 2              |
| 14            | 1,800                        | 25      | 150       | 1,975    | 7,000            | 100   | 100            | 2               | 75              | 1              | 75              | 1                | 75              | 1              | 75              | 1              | 75              | 1              | 75              | 1              |
| 15            | 125                          | 68      | 170       | 363      | 1,800            | 90  | 90             | 4               | 75              | 1              | 75              | 1                | 75              | 1              | 75              | 1              | 75              | 1              | 75              | 1              |
| 16            | 2,400                        | 605     | 3,885     | 6,890    | 100,000          | 238   | 238            | 4               | 238             | 1              | 238             | 1                | 238             | 1              | 238             | 1              | 238             | 1              | 238             | 1              |
| 17            | 600                          | 650     | 2,000     | 2,650    | 200,000          | 167   | 167            | 1               | 167             | 1              | 167             | 1                | 167             | 1              | 167             | 1              | 167             | 1              | 167             | 1              |
| 18            | 500                          | 35      | 535       | 535      | 5,000            | 200   | 200            | 1               | 200             | 1              | 200             | 1                | 200             | 1              | 200             | 1              | 200             | 1              | 200             | 1              |
| 19            | 500                          | 250     | 125       | 875      | 30,000           | 167   | 167            | 1               | 167             | 1              | 167             | 1                | 167             | 1              | 167             | 1              | 167             | 1              | 167             | 1              |
| Totals        | \$17,345                     | \$6,357 | \$16,557  | \$40,259 | \$1,246,300      | 23  | \$2,867        | 28              | \$1,121         | 14             | \$1,055         | 1                | \$75            | 17             | \$444           | 1              | \$30            | 5              | \$191           | 5              |

Table No. 46.—Continued.

## PAINT, OIL AND GLASS.

| OFFICE NUMBER | ENGINEERS                    |                           |                            |                              | PAINT WORKERS             |                            |                              |                              |                           |                            |                              |                           | SAMPLE CARDERS             |                              |                              |                           | GLASS WORKERS              |                              |                           |                            | LABORERS                     |                           |                            |    | OIL WORKERS |  |  |  |
|---------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|------------------------------|---------------------------|----------------------------|----|-------------|--|--|--|
|               | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Hours of daily labor—females | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Hours of daily labor—females | Average daily wages—males | Hours of daily labor—males | Hours of daily labor—females | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males | Males employed over 10 years | Average daily wages—males | Hours of daily labor—males |    |             |  |  |  |
| 1             | 2                            | \$2.50                    | 11                         | 1                            | \$2.00                    | 10                         | 9                            | 9                            |                           |                            |                              |                           |                            |                              | 17                           | \$2.40                    | 10                         | 3                            | 2                         | \$1.50                     | 8                            | 5                         | \$2.00                     | 11 |             |  |  |  |
| 2             | 1                            | 3.00                      | 10                         |                              | 1.75                      |                            | 10                           |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 1                         | 1.25                       | 10                           |                           |                            |    |             |  |  |  |
| 3             |                              |                           |                            | 10                           |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                           |                            |    |             |  |  |  |
| 4             |                              | 2.70                      | 11                         |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                           |                            |    |             |  |  |  |
| 5             |                              | 2.00                      | 10                         | 5                            | 2.00                      | 10                         | 10                           | 10                           |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 40                        | 1.50                       | 10                           | 17                        | 2.00                       | 11 |             |  |  |  |
| 6             |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 13                        | 1.50                       | 10                           |                           |                            |    |             |  |  |  |
| 7             |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 2                         | 1.65                       | 9                            |                           |                            |    |             |  |  |  |
| 8             |                              |                           |                            | 10                           | 1.75                      | 10                         | 10                           | 10                           | 1                         | \$0.83                     | 8                            | 8                         |                            |                              |                              |                           |                            |                              | 2                         | 1.50                       | 9                            |                           |                            |    |             |  |  |  |
| 9             | 1                            | 2.50                      | 10                         | 10                           | 2.77                      | 10                         | 9                            | 9                            |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 2                         | 1.50                       | 9                            |                           |                            |    |             |  |  |  |
| 10            | 1                            | 2.50                      | 9                          | 3                            | 2.00                      | 10                         | 9                            | 9                            | 1                         | \$0.83                     | 8                            | 8                         |                            |                              |                              |                           |                            |                              | 2                         | 1.50                       | 9                            |                           |                            |    |             |  |  |  |
| 11            |                              |                           |                            | 5                            | 2.50                      | 10                         | 10                           | 10                           |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                           |                            |    |             |  |  |  |
| 12            | 4                            | 1.50                      | 10                         |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                           |                            |    |             |  |  |  |
| 13            |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                           |                            |    |             |  |  |  |
| 14            | 1                            | 2.50                      | 10                         | 5                            | 2.40                      | 10                         | 10                           | 10                           |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 1                         | 1.00                       | 10                           |                           |                            |    |             |  |  |  |
| 15            | 2                            | 2.50                      | 9                          | 2                            | 1.50                      | 9                          | 9                            | 9                            |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 8                         | 1.50                       | 10                           |                           |                            |    |             |  |  |  |
| 16            | 1                            | 3.00                      | 10                         |                              |                           |                            |                              |                              | 1                         |                            |                              |                           |                            |                              |                              |                           |                            |                              | 3                         | 1.25                       | 10                           |                           |                            |    |             |  |  |  |
| 17            | 1                            |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 53                        | 1.55                       | 12                           |                           |                            |    |             |  |  |  |
| 18            |                              |                           |                            | 2                            | 1.75                      | 10                         | 10                           | 10                           |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 50                        | 1.02                       | 9                            |                           |                            |    |             |  |  |  |
| 19            |                              |                           |                            | 1                            | 1.75                      | 10                         | 10                           | 10                           |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 2                         | 1.50                       | 10                           |                           |                            |    |             |  |  |  |
| 20            | 1                            | 2.00                      | 10                         | 1                            | 1.75                      | 10                         | 10                           | 10                           |                           |                            |                              |                           |                            |                              |                              |                           |                            |                              | 4                         | 1.50                       | 10                           |                           |                            |    |             |  |  |  |
| Totals        | 19                           | \$26.70                   | 110                        | 52                           | 6                         | \$23.92                    | 115                          | 38                           | 1                         | 2                          | \$0.83                       | 8                         | 17                         | 268                          | \$17.55                      | 68                        | 166                        | 190                          | \$22.45                   | 156                        | 22                           | \$4.00                    | 23                         |    |             |  |  |  |

Totals.

## PRISON MANUFACTURES.

During 1896 the following manufactories were operated by private or incorporated firms within the Missouri Penitentiary:

One saddle-tree factory; one saddle and harness factory; one clothing factory; five boot and shoe factories; the manual labor of which was performed, wholly or in part, by convicts.

One of the firms engaged in the manufacture of shoes failed soon after the close of last year, hence made no report to this Bureau.

The saddle and harness factory is operated in connection with an outside shop, hence their report could not properly be considered in this connection.

The seven manufacturers who reported to this Bureau paid to the State for the labor of convicts an aggregate amount of \$146,626.30, and for other help, manual and clerical, the sum of \$161,613.16 was paid.

The six manufacturers whose reports are tabulated in the following table report an output of manufactured goods during 1896, the aggregate value of which was \$1,268,322; the total value of raw material and supplies used was \$882,252; total number of days worked 1,723; total amount paid in wages, \$308,240; total amount paid for rent, taxes and insurance, \$7,517; total capital invested, \$494,200.

| No.     | Total value<br>manufactures<br>in 1896 | Value material<br>and<br>supplies<br>used | No. of<br>days<br>worked | Total<br>amount<br>wages<br>paid | Amount paid<br>for rent, taxes<br>and<br>insurance | Capital<br>invested |
|---------|--|---|--------------------------|----------------------------------|--|---------------------|
| 1       | \$ 98,319                              | \$ 44,162                                 | 300                      | \$ 34,718                        | \$1,805  | \$ 10,000           |
| 2       | 60,000                                 | 35,500                                    | 300                      | 12,000                           | .....  | 14,200              |
| 3       | 55,498                                 | 51,159                                    | 208                      | 10,875                           | 155  | 20,000              |
| 4       | 130,000                                | 88,639                                    | 300                      | 20,888                           | 827  | 10,000              |
| 5       | 264,500                                | 174,400                                   | 309                      | 42,000                           | 2,000  | 140,000             |
| 6       | 675,007                                | 490,392                                   | 306                      | 187,779                          | 2,730  | 200,000             |
| Totals, | \$1,268,322                            | \$882,252                                 | 1,723                    | \$308,240                        | \$7,517  | \$494,200           |

The statement is made by these manufacturers that the material damaged by the convict workmen in the process of manufacture is an offset to the cheap labor; that while the labor of the convicts is paid an average of 50 cents per day, the average amount of material spoiled by each will fully equal the additional amount paid for "square" labor, and an analysis of the results shown in the foregoing table verifies the claim that their operations have not proven fully satisfactory.

## FACTORY INSPECTION.

At the beginning of the year, on taking up the work of factory inspection, the following circular letter was mailed to the Mayor of each city to which the law applied:

## TO THE MAYOR:

Dear Sir: Your attention is respectfully directed to Sec. 1, page 160, of Missouri Laws, 1891. Please advise this office at your earliest convenience whether you have a regularly appointed Factory Inspector, and if so, furnish us his address, that we may supply him with the necessary blanks for making the reports to this Department as required by law. If you have not such official, you will kindly call the attention of your City Council to this matter and have one appointed at once.

The fact that but few of the cities of the State have reported factory inspection to this office has suggested this letter. An early reply will oblige.

Yours respectfully,

A. ROZELLE,  
Labor Commissioner.

In a number of instances several communications directing the Mayor's attention to the law were necessary before the same was complied with. No appointment has as yet been made in the city of St. Louis, although several ordinances providing for the appointment of inspectors have been introduced in the Municipal Assembly at the suggestion of this Department.

In accordance with request, inspectors have been appointed in other cities as follows:

## FACTORY INSPECTORS.

Chillicothe, Ed F. Daly; Carthage, D. M. Stafford, Marshal; Hannibal, N. W. Northcutt; Independence, Christ. Yetter; Joplin, S. J. McKee, City Engineer; Jefferson City, F. P. Dallmeyer, City Clerk; Kansas City, A. W. Love, Superintendent of Buildings; Louisiana, John G. Boehm; Moberly, Chas. Quayle, Marshal; Nevada, John Beagles; Sedalia, Chas. Kooock; St. Joseph, P. P. Kane, Chief Fire Department; St. Charles, Geo. L. Anderson, City Engineer; Springfield, John Cunningham; Trenton, L. B. Dews.

Reports have been received from Kansas City, Carthage, Independence, Jefferson City, Hannibal, Joplin, Nevada, Moberly, Trenton, St. Joseph, Sedalia, St. Charles and St. Louis. All the inspections in St. Louis have been made by this department.

It was originally intended that the inspection of the St. Louis factories should continue only until such time as the city, in accordance with the State law, should appoint inspectors, believing

that not more than two months would be required in which to pass the necessary ordinance. When it was finally demonstrated that neither the Mayor nor the Municipal Assembly would act, such inspection was discontinued. This was found necessary on account of the numerous duties of this Department, and the further fact that it would be an injustice to the other cities of Missouri (where inspection is maintained at their own expense) to inspect the factories of St. Louis at the expense of the State.

The general conditions of Missouri's factories will compare favorably with those of the older Commonwealths. There are violations, but they are no more frequent than in other States, where the laws are better calculated to prevent them,

To the credit of the Missouri manufacturers it may be said that not one prosecution has been necessary up to the present to enforce changes that have been ordered.

#### SUMMARY OF INSPECTIONS.

|  |        |
|--|--------|
| Total number of factories inspected .....                          | 692    |
| Total number of changes ordered .....                              | 251    |
| Total number of employes in factories inspected.....               | 81,093 |
| Total number of males in factories inspected.....                  | 19,018 |
| Total number of females in factories inspected.....                | 12,075 |
| Total number of males under 18 years in factories inspected .....  | 2,918  |
| Total number of females under 18 years in factories inspected..... | 2,544  |
| Total number of males under 14 years in factories inspected .....  | 7      |
| Total number of females under 14 years in factories inspected..... | 31     |

The inspections made in the smaller towns and cities of the State were not as thorough as might be desired, but taking into consideration that the work was new to a majority of the inspectors, who have not a very clear conception of either their duties or power, what has been accomplished speaks well for a beginning and gives promise of better results in the future. This, however, does not apply to Kansas City. The work there was all that could be expected.

The laws most frequently violated are those providing for the erection of fire escapes and prohibiting obstructions to places of egress. These, however, with most other violations are due in most instances to ignorance of the law or thoughtlessness.

In several cases all windows of a factory have been found free from obstructions except those leading to the fire escape, and these were hedged in in such a manner as to render the fire escape absolutely useless. The superintendents' explanations were that they had never given the matter a thought.

The section providing for separate water closets for males and females is very generally observed, but does not go far enough. In one instance a factory was found where 150 females and 30 males

were employed, and there were but two water closets for their accommodation.

The dressing and washroom facilities were also entirely inadequate. The law provides a remedy for the latter condition, but none for the former. Under the law, all that is required of an employer is that he shall provide separate water closets for the sexes. By providing two closets regardless of the number employed, the employer complies with the law. The section relating to dressing and washroom facilities, however, provides that suitable places shall be furnished, giving the inspector discretionary power.

During the last session of the State Legislature section 14 of the "act relating to manufacturing, mechanical, mercantile and other establishments and places, and the employment, safety, health and work hours of employes" was amended by striking out a certain clause which it was held invalidated the law. This section provides for the use of an exhaust fan or other contrivance in all establishments where any process is carried on by which dust or smoke is generated, to prevent the inhalation of such dust or smoke by employes. The section became a law in 1891, but has been a dead letter, no attempt ever having been made to enforce it until during the present administration. This Department has rigidly enforced the law wherever applicable.

### SWEAT SHOP INSPECTION.

Up to the year 1891 no need had been felt for special legislation in the United States against what is known as the sweat-shop evil. In May of that year, however, Massachusetts adopted "An act to prevent the manufacture and sale of clothing made in unhealthy places," by which it was attempted to bring under regulation the growing evil of the sweating system. This act was amended in 1892 and again in 1893, making more stringent provisions.

Since then nearly all the States in which this system of manufacture has gained a foothold have adopted laws for its regulation.

At present in Missouri the system of tenement-house manufacture is limited almost exclusively to the city of St. Louis, but it is fast attaining gigantic proportions in the clothing industry.

No adequate provision has been made in this State for the protection of this class of labor. These shops in the main are found in the poorest and most squalid portions of the city; located in basements and cellars or on upper floors of tenement houses without proper ventilation—damp in winter and foul in summer.

In these disease-breeding dens, some reeking with filth, and crawling with vermin, is manufactured much of the clothing worn by the average citizen of the State.

As no provision is made by law for the inspection of this class of factories where less than ten persons are employed, a large number of these places are exempt.

Better sanitary conditions generally resulted from the inspections, although but a few in comparison to the total number could be inspected, owing to the limited time and force at the command of this Department.

The aid of the city Health Department had frequently to be enlisted where the factory laws were impotent.

The employes in these shops, most of them but half-grown children, are subjected to long hours of unceasing toil in an atmosphere that cannot but breed disease, and not the slightest effort has been made to alleviate their condition.

### CHILD LABOR.

Up to the year 1897 there was practically no law regulating child labor in this State. At the last session of the Legislature a law was enacted which prohibits the employment of children under 14 years of age in factories where power machinery is used or in other dangerous employments. A penalty is provided for all violations, but an exception clause is attached which makes extreme poverty of the parent or person in charge of such child a good defense for such employment.

It seems that the manufacturers of the State have been under the impression that such a law existed, for in every instance when questioned, even before the law became operative, the reply was "We hire no one under 14 years of age. Our foremen have strict injunctions to abide by the law."

I have found but one instance where any disposition was shown on the part of the employer to evade the law. In this particular case the employer positively refused to discharge the children under 14 years in his employ, but promised to procure an affidavit of the extreme poverty of the parents.

While the record of inspections shows but 38 children under 14 years in the factories inspected, it does not represent the total number employed, by any means. The number given only represents the number of children who told the truth when questioned regarding their age. The great majority of manufacturers have no desire to evade the law, as there is but little incentive for them to do so. It is the parents that are in most instances responsible. The child is coached and told to give its age over 14 when seeking employment.



The present law is very defective, and ought to be amended so as to require an affidavit from the parents of every child under 16 years, that that child is over 14 years, before being permitted to work in any factory. The exception clause ought also be stricken out, as it can always be taken advantage of by unscrupulous parents.

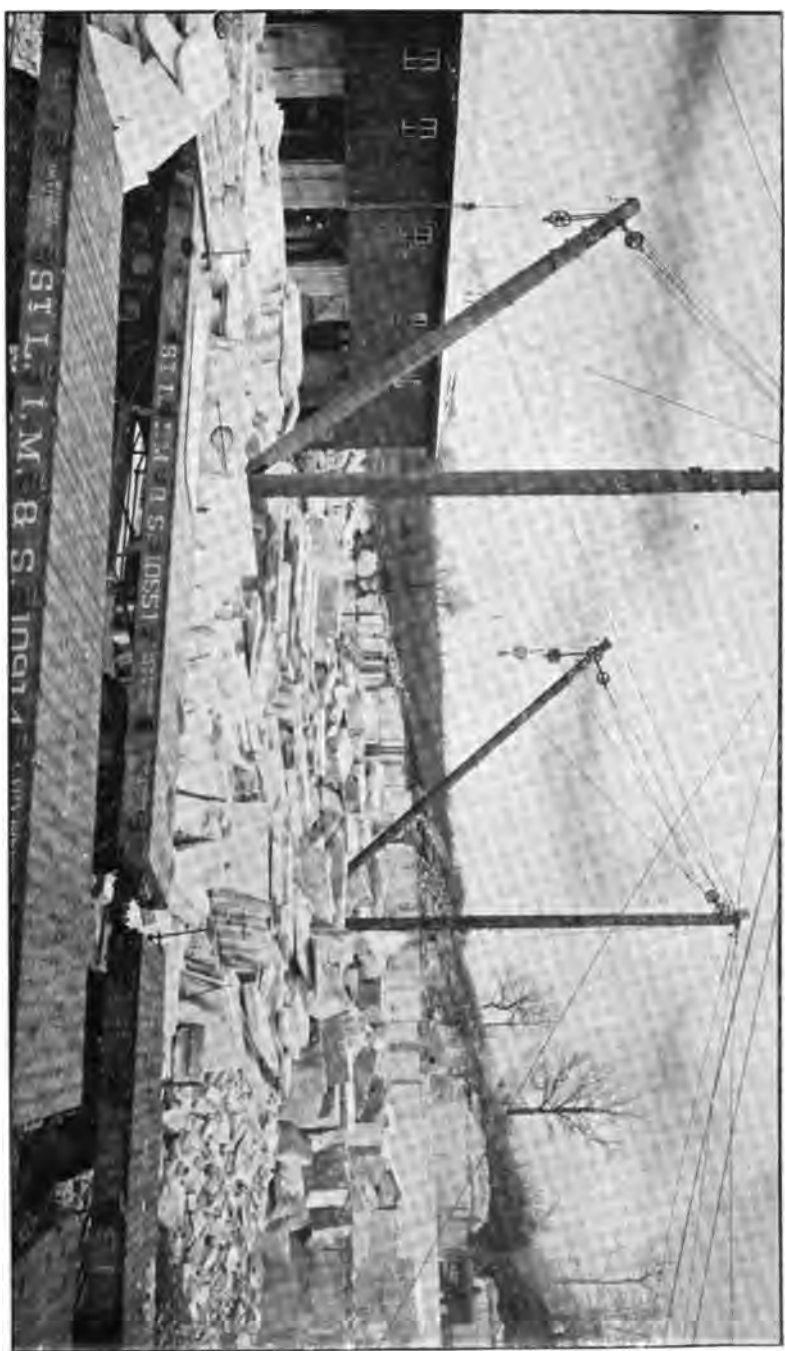
## CHANGES ORDERED IN FACTORIES DURING THE YEAR.

### ST. LOUIS.

1. Wertheimer-Swartz Shoe Co., manufacturers of boots and shoes. Ordered to discharge boy under fourteen years.
2. American Manufacturing Co., manufacturers of bagging. Required to place guard rails around hatchways; provide suitable dressing and wash rooms for female employees; provide seats for use of females when not required to be on their feet, and to discharge all children under fourteen years.
3. St. Louis Embroidery Co., manufacturers of children's cloaks, etc. Ordered to box up ends of shafting operating sewing machines; to provide wash and dressing rooms and separate water closets for females.
4. Gerst Bros. Mfg. Co., architectural iron works. Required to inclose water closets.
5. Union Iron and Foundry Co., architectural iron works. Ordered to provide better water-closet accommodations.
6. Mansur & Tebbets Implement Co., manufacturers of buggies and surreys. Required to erect fire escapes.
7. H. J. Miller, bakery. Ordered to repair and change plumbing in water closets.
8. Moser Cigar and Paper Box Co. Required to provide signs designating closets to be used by males and females.
9. Gerritzen Bros. & Co., book binders. Ordered to provide separate water closets for the sexes.
10. St. Louis Paper Box Co., manufacturers of boxes. Ordered to provide dressing rooms for females on floors where both sexes are employed.
11. Flammger & Grahl Blank Book Co. Ordered to limewash walls of factory.
12. Mees & Metzger, bookbinders and manufacturers. Required to provide water closet for use of females.
13. St. Louis Steel Wire Brush Co., manufacturers of steel brushes. Ordered to provide a shifter for belt on emery stand.
14. Candy Bros. Mfg. Co., manufacturers of candy. Ordered to box up shafting on third floor.
15. F. D. Seward Confectionery Co. Ordered to remove obstructions to and repair windows leading to fire escapes.
16. Flohr-Walter Candy Co. Required to provide signs designating closets to be used by males and females.
17. J. S. Costello & Son, brush manufacturers. Ordered to repair landing at head of stairs leading to factory.
18. Bemis Bros. Bag Co. Required to remove obstructions from exit to fire escape.
19. M. C. Seydel & Co., manufacturers of candies. Ordered to repair water closets; designate by which sex to be used, and remove door leading to stairway on second floor.
20. O. H. Peckham Candy Co. Ordered removal of obstructions to fire escape on all floors and to repair windows leading to fire escape.
21. Wenneker-Morris Candy Co. Required to repair plumbing in water closets and remove obstructions to fire escape.

22. Trebus & Steiner, stamp and stencil manufacturers. Required to change position of drill press because of its dangerous proximity to motor and belt.
23. W. H. Haskell, manufacturer of badges, seals, etc. Notice of dangerous condition of building sent to Building Inspector.
24. Premium Mfg. Co., shirts and overalls. Required to remove obstructions to fire escape.
25. Electro Depositing Co., metal polishers and platers. Ordered to provide exhaust fan to take away dust from polishing wheels.
26. Max Judd Cloak Co. Required to remove obstructions from windows leading to fire escapes.
27. Enterprise Brass Co. Ordered to repair water closet and remove obstructions to fire escape.
28. St. Louis Electrotpe Foundry. Ordered to erect an outside iron fire escape.
29. St. Louis Steam Engine Co. Required to provide guard rails around hatchway.
30. M. M. Buck Mfg. Co., railway supplies. Ordered to remove obstructions to fire escape.
31. Ludlow-Saylor Wire Co. Ordered to put in exhaust fan and remove obstructions to fire escape.
32. Mound City Boot and Shoe Co. Ordered to remove obstructions to fire escape.
33. International Electric Co. Ordered obstructions to fire escape removed.
34. Hamilton-Brown Shoe Co. Required to repair water closets and remove obstructions to fire escape.
35. Bry-Singer Cloak Co. Ordered to remove iron bars and sewing machines from in front of windows leading to fire escapes.
36. Degge & Musick, electro-platers and polishers. Ordered to provide exhaust fan to take away dust from polishing wheels.
37. Missouri Telephone Mfg. Co. Required to provide better water-closet facilities.
38. Home Novelty Mfg. Co., hardware specialties and special machinery. Ordered to repair water closets and provide better ventilation in polishing room.
39. C. F. Blanke Tea and Coffee Co. Ordered to move laboratory away from fire escape and remove all other obstructions to egress.
40. E. Mitzenaur, manufacturer of baking powder. Required to screen stairways used by females.
41. G. F. Voigtmann, manufacturer of paper boxes. Ordered to place guard rails around hatchways.
42. Dunham Mfg. Co., grinders and preparers of cocoanut. Ordered to remove obstructions to fire escape.
43. Eddy & Eddy, grocers' sundries. Ordered to provide signs designating closets used by females.
44. Mesker & Bro., manufacturers galvanized iron work. Ordered to inclose water closets; provide bannisters for stairs leading to carpenter shop, and to provide guards for hatchways.
45. Cupples Paper Bag Co. Ordered to remove obstructions to the fire escape.
46. Cupples Woodenware Co. Ordered to remove obstructions to fire escape.
47. Luyties Homeopathic Pharmacy Co. Ordered to provide an outside iron fire escape.
48. Stephens Lithograph Co. Ordered to repair windows leading to fire escape and remove all obstructions from same.
49. Hemp & Co., sheet metal goods. Ordered to guard all belting passing through floors.
50. S. G. Burnham, printer. Ordered to provide one outside iron fire escape.
51. Little & Becker Printing Co. Ordered to place water closet on first floor in good condition.
52. Compton & Sons Printing and Litho. Co. Ordered to remove obstructions to fire escape.
53. Inland Type Foundry. Ordered to repair water closet.
54. Great Western Printing Co. Ordered to remove all obstructions to fire escape.
55. Jas. Hogan Printing Co. Ordered to remove obstructions to fire escape.
56. A. R. Fleming Printing Co. Ordered to provide an outside iron fire escape.
57. Chas. F. Kelley, printer. Ordered to repair water closet.
58. Buxton & Skinner, printers and stationers. Ordered to remove obstructions to fire escape.

59. Gelsel Mfg. Co., tinware. Ordered to remove screen from windows leading to fire escape.
60. Aroma Coffee and Spice Co. Ordered to remove obstructions to fire escape.
61. Drummond Tobacco Co. Ordered to remove stemming table from in front of fire escape on stemming floor.
62. Buckley Custom Shirt Co. Ordered to remove obstructions to fire escape.
63. Morrison Tent and Awning Co. Ordered to place guards around elevator shaft on third floor.
64. J. Gindra & Bro., shoes. Required to guard shafting operating sewing machines.
65. Central Tobacco Works. Ordered to guard elevator shaft on second floor.
66. Herman Wenzel, tents and awnings. Required to provide separate water closets for the sexes.
67. Mills & Averill, clothing. Ordered to remove obstructions to fire escapes on upper floors.
68. Munger's Laundry Co. Ordered to erect one outside iron fire escape.
69. American Steam Laundry Co. Ordered to provide one outside iron fire escape.
70. Excelsior Laundry Co. Required to erect one outside iron fire escape.
71. Pacific Steam Laundry. Ordered to repair water closets.
72. Perfection Steam Laundry. Required to provide separate water closets for the sexes.
73. Provident Association Laundry. Required to change system of heating or provide exhaust fan.
74. Excelsior Laundry Co. Ordered to provide an outside iron fire escape.
75. Central Union Brass Co., brass goods. Required to inclose elevator shafts on second floor and to construct an exhaust plant to take away dust from polishing wheels.
76. J. H. Pocock Can Co. Ordered to repair water closets and remove obstructions to fire escape.
77. H. B. Poorman Box Mfg. Co. Required to place guard rails around hatchways on second floor.
78. Greengard & Ehrlich Mfg. Co., brass goods. Ordered to erect an outside iron fire escape and provide exhaust fan to take away dust from polishing wheels.
79. Standard Foundry Co. Ordered to flush closets daily during summer months.
80. Myer-Bannerman Co., saddlery. Required to box up shafting in front of window leading to fire escape on second floor.
81. Burns & Co., saddlery. Required to erect an outside iron fire escape.
82. Tenent-Stribling Shoe Co. Ordered to lower gas pipe in front of fire escape on third floor.
83. S. Grabinsky & Co., ladies' muslin underwear. Ordered to remove obstructions to fire escape.
84. St. Louis Label Works. Ordered to provide an outside iron fire escape.
85. St. Louis Corset Co. Ordered to box up exposed ends of shafting and to inclose shafting between all machines on second floor.
86. Wrought Iron Range Co. Required to provide an exhaust fan for polishing room.
87. Johansen Bros., shoes. Ordered to repair water closets on second and fourth floors.
88. Jokerst & St. Gem, manufacturers overalls and shirts. Required to provide an outside iron fire escape; dressing rooms for females and additional water-closet facilities.
89. Buck Stove and Range Co. Ordered to provide better water-closet facilities.
90. Kramer Furniture Co. Required to flush closets and provide outside iron fire escape.
91. Weber Molding Co. Ordered to provide an outside iron fire escape and inclose belting on second floor.
92. McCabe-Bierman Wagon Co. Required to provide railing around opening to stairways.
93. Graham Paper Co. Ordered to limewash or paint walls.
94. Kovinsky & Hill, clothing. Required to provide dressing rooms for girls.
95. Millslein & Pryvitz, clothing. Ordered to limewash or paint work rooms. Agent ordered to provide an outside iron fire escape.
96. D. Crawford & Co. Required to provide an outside iron fire escape.



QUARRIES, MILLS AND YARD OF CARTHAGE STONE CO., CARTHAGE, MO.



97. The Fair, department store. Ordered fire escape; dressing and wash rooms for females; seats for females when not required to be on their feet.
98. The Famous, department store. Required to furnish seats for use of female help.
99. Cuddy & Lamb Dry Goods Co. Ordered to provide separate water closets for the sexes.
100. H. S. Hysinger & Co., department store. Ordered to provide an outside iron fire escape.
101. Thompson Dry Goods Co. Ordered to provide separate water closets for the sexes.
102. Sonnenfeld Millinery and Cloak Co. Required to provide an outside iron fire escape.
103. F. M. Bacon Laundry Co. Ordered to secure better ventilation.
104. Wm. Prufrock, upholstered furniture. Ordered to provide outside iron fire escape and suitable place for females to wash and dress.
105. Manewal-Lange Bakery Co. Ordered to provide an outside iron fire escape; to guard belting; provide seats for females.
106. Standard Furniture Mfg. Co. Ordered to flush water closets frequently.
107. G. V. Brecht Butchers' Supply Co. Ordered to erect iron fire escape; provide exhaust fan and suitable place for girls to wash and dress.
108. Lerol Furniture Co., Ordered to provide outside iron fire escape and adequate water-closet facilities.
109. Moran Bolt and Nut Co. Orders given to inclose water closet used by factory hands.
110. G. Mathes & Sons Rag Co. Orders given to inclose hatchways; provide separate water closets for the sexes and limewash walls.
111. Staudte & Rueckoldt Mfg. Co., office fixtures. Orders given to provide fire escape; bannisters for stairs, and remove oils and varnishes from stairway.
112. John C. Kupferle, plumbers' supplies. Orders given to place guards around elevator and inclose water closets.
113. Koken Iron Works. Orders given to provide exhaust fan for polishing room.
114. Standard Stamping Co. Orders given to remove obstructions to fire escape.
115. Mound Coffin Co. Orders given to remove obstructions to fire escape.
116. Lipman Fenzer, tailor shop. Orders given to provide separate water closets for the sexes.
117. A. Radalopsky, tailor shop. Ordered to paint or limewash walls.
118. Rosa Grossman, tailor shop. Orders given to limewash or paint walls of work rooms.
119. Julius Sachs, tailor shop. Orders given to limewash work rooms.
120. Jacob Kichel, tailor shop. Orders given to place water closets in good sanitary condition. There are nine other shops located in same building. Closets are located in the yard, and were condemned by the Board of Health on information from this Department.
121. Isaac Sachs, tailor shop. Orders given to place water closets in good sanitary condition. The same conditions prevail as in the foregoing. Twelve other tailors are located in the same building. Closets were condemned by Board of Health.
122. Psynberg & Koplman, cloak factory. Fire escape ordered.
123. Isaac Kohl, cloak factory. Orders given to limewash work rooms and to move gasoline stove from doorway.
124. Collman-Bernstein Coat Factory. Orders given for the erection of a fire-escape.
125. H. Greenburg, pants factory. Ordered to provide separate closets for the sexes.
126. Piscus Swartzman, cloak manufacturer. Orders given to limewash walls.
127. M. Gibein, pants manufacturer. Ordered to repair stairway.
128. D. Hershkowitz, manufacturer of pants. Orders given to provide separate closets for the sexes, and to limewash work rooms.
129. George Korph, manufacturer of pants. Orders given to provide separate water closets for the sexes.
130. Herman Kauffman, coat manufacturer. Orders given to provide separate water closets for the sexes and limewash walls of work rooms.
131. Anna Black, vest factory. Orders given to limewash walls.
132. Peter Brush, coat factory. Ordered to discharge boy under fourteen years.
133. Standard Slipper Co. Ordered to provide separate closets for the sexes.

134. Martin Blumenfeldt, coat factory. Ordered to provide wash and dressing rooms for female help; limewash work rooms, and provide separate water closets for females.

135. David Istoeianz, cloak manufacturer. Orders given to limewash walls; provide suitable places for females to wash and dress, and separate water closets for the sexes.

136. Marcus A. Brown, paper boxes. Orders given to limewash work rooms and remove furnace from doorway; provide suitable place for female help to wash and dress.

137. L. M. Rumsey. Orders given to provide exhaust fan to take away dust from polishing wheels.

138. Mound City Plating Co. Ordered to provide exhaust fan for polishing room.

139. Majestic Range Co. Orders given to provide exhaust fan for polishing room.

140. Home Novelty Co. Required to provide exhaust fan for polishing room.

### KANSAS CITY.

141. C. J. Baker, tents and awnings. Orders given to screen stairway; put closets in good sanitary condition; limewash walls; repair and place railing around fire escape.

142. Partridge & Netcher, general merchandise. Ordered urinal in basement placed in good condition.

143. Kimberly Pub. Co. Orders given to repair closet on second floor; protect fly-wheel; remove oil from passage on third floor.

144. Walker's Laundry. Ordered to whiten walls and provide water buckets and barrels for each floor.

145. Gate City Laundry Co. Orders given to limewash walls and place guard around pulleys.

146. Tiernan-Havens Printing Co. Orders given to whiten two stories; clean water closets and place guard rails around elevator.

147. Mount Candy and Cracker Co. Ordered to repair and clean water closets and to ventilate dressing room on third floor.

148. David B. Kirk, flour exporter. Orders given to keep elevator guards down on each floor.

149. J. G. Peppard, wholesale seeds. Ordered to keep elevator guards down.

150. Aultman, Miller & Co., agricultural implements. Ordered to repair two posts in basement and remove obstructions to fire escape.

151. Dold Packing Co. Orders given to keep elevator guards down, and to put women's closet in sanitary condition.

152. H. B. Hunt, tin can factory. Orders given to clean and put water closet in sanitary condition.

153. U. S. Water and Steam Supply Co. Orders given to keep elevator guard rails down.

154. Standard Implement Co. Ordered to remove obstructions to fire escape.

155. Crane & Co., plumbers' and steam fitters' supplies. Ordered to keep elevator guards down.

156. Cutter-Neilson Paint and Color Co. Orders given to repair water-closet floor, and gates to elevator shaft to be kept down.

157. Parlin-Orendorf Co., implements. Ordered to remove obstructions to fire escape and repair floor in basement.

158. Ferguson Implement Co. Orders given to repair elevator guards; clean basement and remove obstructions to basement stairway.

159. Long Bros., wholesale grocers. Orders given to remove obstructions to fire escape on each floor; to repair floor, stairs to basement and water closet.

160. Advance Thresher Co. Ordered to repair plumbing in water closet.

161. D. M. Osborne Mfg. Co., implements. Ordered to repair elevator guards and keep them down.

162. Sewell Paint and Glass Co. Orders given to repair pipes in boiler room.

163. Kingman-Moore Implement Co. Ordered to repair elevator guards and strengthen posts in basement.

164. Rhodes-Barkley Co., storage. Ordered to repair elevator cable.

165. National Lead Co. Ordered to strengthen girders and posts.

166. Abner Hood, chemicals. Orders given to repair elevator guards.

167. Avery Flanter Co., implements. Ordered to remove obstructions to fire escape.

168. Temple of Economy, queensware and house furnishing goods. Orders given to clean and repair water closet and basement.
169. Rock Island Implement Co. Ordered to repair elevator guards and keep them in place.
170. Bradley, Wheeler & Co., implements. Ordered to repair floor in basement.
171. Gille Hardware and Iron Co. Ordered to remove obstructions to fire escape; clean water closets and place them in sanitary condition.
172. McCormick Harvesting Machine Co. Orders given to provide water barrels and buckets for each floor for fire protection.
173. Askew Saddlery Co. Orders given to remove obstructions to fire escape and repair elevator guards.
174. Fairbanks-Morse Co. Orders given to strengthen posts in basement.
175. Webb-Freyßchlag Mercantile Co. Ordered to repair third-story floor.
176. Parisian Cloak Co. Orders given to clean out litter in basement and ventilate basement water closet.
177. Jackson Laundry. Orders given to repair and provide railing for basement stairway and to repair basement floor.
178. C. E. Hill & Co., woodenware. Ordered to keep elevator guards down.
179. Kansas City Furniture and Coffin Co. Ordered to keep elevator guards down.
180. Great Western Mfg. Co. Ordered to repair water closet.
181. C. A. Murdock Mfg. Co. Orders given to clean and repair two water closets and remove obstructions to fire escape.
182. V. K. Sammons, mattresses. Ordered to guard pulley; put in ventilating fan; strengthen girders in second story; keep elevator guard rails down; ventilate water closet.
183. Driggs & Stone Mercantile Co. Orders given to provide water barrels and buckets for second floor.
184. Silver Laundry and Towel Co. Ordered to limewash walls of work rooms.
185. Kleeman, Trotter & Co., iron and brass. Orders given to provide guards for elevator; new flooring first floor.
186. T. M. James & Son, china and queensware. Ordered to remove obstructions to fire escape and provide water barrels and buckets for each floor.
187. Jones Dry Goods Co. Orders given to remove obstructions to elevator; provide water barrels and buckets for each floor, and additional seats for females.
188. Zenith Milling Co. Ordered to keep trap door closed when not in use.
189. Kansas City (Mo.) Gas Co. Orders given to provide guard rails for elevator shaft.
190. Richards & Conover Hardware Co. Ordered to fill water barrels and provide buckets for each barrel.
191. Corle & Son, cereals. Orders given to clean and refill water barrels; provide buckets for same; clean water closets and keep elevator guards down.
192. Richards & Helms Planing Mill. Ordered to keep elevator guards in place.
193. Inman-Forrester Co., boxes. Ordered to strengthen posts on second floor.
194. Bauer & Laird, printers. Orders given to clean out rubbish from under stairway on second floor.
195. W. W. Mangan Clothing Co. Orders given to clean up basement.
196. Smith-McCord Dry Goods Co. Ordered to remove obstructions to fire escape on fourth and fifth floors; place guards around elevator shaft on fifth floor and clean up basement.
197. J. H. Lloyd, mattresses. Ordered to guard elevator shaft and open skylight for ventilation.
198. Doggett Dry Goods Co. Ordered to remove obstructions to fire escape and repair basement floor.
199. G. Bernheimer, Bros. & Co., dry goods. Orders given to clean up and repair basement floor.
200. Faxon, Horton & Gallagher, wholesale dry goods. Orders given to strengthen girders on top floor of east building.
201. Henney Buggy Co. Ordered to fill water barrels and provide buckets for fire protection.
202. G. J. Webber, gas and gasoline engines. Ordered to place guard around trap door on second floor.
203. A. M. Freeling, trunks. Orders given to keep elevator guards in place and to provide water barrels and buckets for each floor.
204. Nebraska Clothing Co. Orders given to provide water barrels for each floor and ventilate basement.



205. Kansas City Wire and Iron Works. Orders given to repair cellar stairs and provide guard rails for trap door.
206. Union Bank Note Co., printers and engravers. Ordered to repair floor of top story.
207. Walls Laundry Co. Ordered to repair basement floor and drain pipe.
208. Woolf Laundry Co. Orders given to repair water closet on top floor and provide two additional water closets for use of females.
209. Kansas City Show Case Works. Ordered to repair fire wall and to replace water barrel and buckets on first floor.
210. Loose Bros. Cracker and Candy Co. Ordered to place printed notice on doors leading from one story to another.
211. Bird-Thayer Dry Goods Co. Required to repair hole in basement floor and provide additional seats for females.
212. Kansas City World. Orders given to repair water closet on first floor.
213. Kansas City Star. Required to guard pulley in machinery room.
214. Times Publishing Co. Orders given to clean up areaway and clean and repair water closet.
215. Kansas City Mail. Ordered to repair floor.
216. Kansas City Milling Co. Orders given to bolt and strap posts and strengthen girders in basement.
217. Tryers' Laundry. Orders given to provide guard for elevator shaft.
218. Kansas City Paper House. Ordered to provide fire extinguishers for three upper floors.
219. M. Gordsecky, tailor. Ordered to provide water closets for males.
220. H. Waldener, tailor. Ordered to put in water closets for females.
221. F. Menown Mfg. Co., grocers' sundries. Ordered to repair and keep elevator guard down.
222. Harrigan & Zartman, carriages. Ordered to repair flooring on first floor.
223. Hockaday, Harmon & Roe, wholesale hats. Orders given to repair water closets; remove obstructions to fire escape; keep guards in place around elevator shaft.
224. A. N. Kellog Newspaper Co. Orders given to clean top story of building and remove obstructions to fire escape.
225. Williamson's Laundry. Orders given to provide additional water closet and limewash ironing room.
226. Munday's Hand Laundry. Ordered to repair and clean water closet in basement.
227. White's Laundry. Ordered to put in another water closet.
228. J. J. Foster, saddlery. Ordered to clean and repair water closet.
229. R. H. Williams, grocer. Ordered to clean water closet.
230. Luce & Trissal, trunks. Ordered to repair and clean water closets.
231. Robert Keith Furniture and Carpet Co. Ordered to remove loose plastering from basement ceiling.
232. Val Blatz Brewing Co. Orders given to repair floor in bottling room and to provide stone pillars in place of posts in wash room.
233. Great Western Cabinet works. Orders given to provide guard rails for elevator; repair stairway and put water closet in sanitary condition.
234. A. C. Wurmser & Co., furniture. Orders given to provide additional water closets for females; keep elevator guards down; provide better ventilation in basement.
235. May, Stern & Co., furniture. Orders given to provide separate water closets for females and ventilate cellar.
236. Swan's Laundry. Ordered to strengthen posts and girders in wash room.
237. Furniture Manufacturers' Syndicate. Orders given to provide water barrels and buckets for all floors having none.
238. Beckham, McKnight & Co., grocers. Required to remove obstruction to basement stairway.
239. A. M. Hughes Paint and Glass Co. Orders given to clean and repair water closet in basement and repair elevator guards.
240. Schofield, Schurmer & Teagle, oils. Ordered to repair and keep elevator guards in position.
241. E. P. Dresser Soap Co. Ordered to repair platform.
242. Haar Mercantile Co. Orders given to guard elevator and ventilate basement.
243. Sloan's Laundry. Orders given to limewash walls in ironing room and provide ventilating fans.

## ST. JOSEPH.

244. C. W. Douglas & Son Candy Co. Orders given to change doors to open outward.

245. Richardson, Roberts & Byrne Dry Goods Co. Required to change lock on stairway door.

246. Wyeth Hardware and Mfg. Co. Ordered doors changed to open out.

247. Tootle, Wheeler & Motter. Ordered to change one door to open out.

248. G. W. Chase & Son, candies. Orders given to limewash or paint work rooms.

## NEVADA.

249. Cherokee-Lanyon Spelter Co. Orders given to place railing around all overhead tramways.

250. Missouri Pacific Ry. Engine House. Orders given to provide ventilators to carry off smoke.

## ACCIDENTS.

For the convenience of employers, blanks were furnished by this Department on which to make returns of accidents, in accordance with the State law, but it is safe to assume that not one in ten has been reported.

No attempt has heretofore been made to enforce this law, and as a consequence but few of the accidents have been voluntarily reported.

It has been mainly through newspaper reports that this Department has received any knowledge of accidents, and often could only secure a report by insisting that it be made.

## ACCIDENTS REPORTED DURING YEAR.

June 10, 1897.—Wm. Dingwell, aged 27, employed at bottling by the Western Moxie Nerve Food Co., St. Louis; slightly injured on the arm by the bursting of a charged soda bottle.

June 14, 1897.—Oscar Griefelt, employed at packing stock from the mill by the National Lead Co., St. Louis; had flesh of left arm lacerated by sleeve becoming entangled in machinery; disabled six weeks; wages and expenses paid by firm during disability.

May 17, 1897.—Richard Hayes, aged 34, married, employed at casting-cleaning by Charter Oak Stove Co.; leg broken by being caught on set screw on shaft; died under operation.

May 11, 1897.—Gottfried George, aged 50 years, married, employed by the St. Louis Mfg. Co. as laborer; arm cut off at elbow on planing machine; length of time disabled unknown.

Sept. —, 1897.—Wm. Tolle, single, employed by the Buehler-Phelan Paint Co., St. Louis; finger of left hand cut off on mixer; continued at work.

March 1, 1897.—Orvin Boston, married, aged 62, employed by Majestic Mfg. Co., St. Louis, as boss painter; struck on back of head by descending elevator and killed.

John Yokas, married, employed by Herman & Koenitzer Oak Leather Co., St. Louis, at grinding bark; hand caught in bark mill and received flesh wound; disabled two weeks.

Maggie Ruddy, aged 25 years, single, employed by the Drummond Tobacco Co., St. Louis, making plug tobacco; hand crushed in plug tobacco machine; hand amputated; disabled four months.

Thos. Fluegel, aged 40 years, married, employed by the E. Goddard Flour Mill Co., St. Louis; finger crushed while oiling purifier; disabled 17½ days.

Sept. 13, 1897.—H. Schafer, aged 26, single, employed by Gilsonite Roofing and Paving Co., St. Louis; back injured by fall; disabled 17 days.

March 3, 1897.—Emil Raymer, aged 16 years, employed by C. F. Blanke Tea and Coffee Co., St. Louis, as press-feeder; lost two fingers of right hand by having caught same in press.

Feb. 20, 1897.—Chas. Chatham, aged 65 years, single, employed by St. Louis Whiting Co. as laborer; instantly killed by being struck on head by falling smoke-stack.

Frank F. Reese, aged 26, single, employed by More, Jones & Co., St. Louis; received cut on front part of leg, caused by chisel slipping out of his hand while chiseling boxes; disabled seven weeks.

Christ. Heldbrink, aged 50 years, married, employed by F. H. Logeman Chair Mfg. Co., St. Louis, as elevator man; leg broken on elevator, caused by overloading; disabled six weeks.

Henry Shoemaker, aged 26 years, married, employed by Regina Flour Mill Co., St. Louis, as foreman of warehouse; killed by falling walls and floors of mill.

Wm. O'Rourke, aged 35 years, single, employed by Regina Flour Mill Co., St. Louis, as warehouseman; back broken from falling walls and floors of mill; died from injuries.

G. A. Simpson, aged 35 years, married, employed by Regina Flour Mill Co., St. Louis, as warehouseman; received scalp wounds and sprained thigh from falling walls and floors; disabled four weeks.

Josiah Robison, aged 28 years, married, employed by Regina Flour Mill Co., St. Louis, as driver; received scalp wounds from falling walls and floors; disabled four weeks.

Phillip Sullivan, aged 45 years, married, employed by Regina Flour Mill Co., St. Louis, as transfer driver; badly bruised about legs and body by falling walls and floors; disabled four weeks.

Ed Soos, married, employed by Missouri Car and Foundry Co., St. Louis, at car repairing; foot cut off by car; permanently disabled.

Jos. Arenz, aged 30 years, married, employed by P. M. Bruner Granitoid Co., St. Louis, at concrete construction; fell down elevator shaft and badly bruised; unable to work for two months.

Oliver Hague, aged 19, single, employed by C. J. Baker, Kansas City, as sewing machine operator; sprained right leg and ankle in elevator; injury slight.

Ernest Parker, aged 22 years, single, employed by C. J. Baker, Kansas City, in tent and awning factory as foreman; badly bruised by falling elevator; disabled two weeks.

Emma Miller, aged 40 years, married, employed by C. J. Baker, Kansas City, as sewing machine operator; sprained ankle and fractured bones of foot from falling elevator; disabled six weeks.

Mary Johnston, aged 35 years, married, employed by C. J. Baker, Kansas City, as sewing machine operator; both legs amputated at knee, as result of injuries received in falling elevator.

Ray Eichenwald, aged 18 years, employed by C. J. Baker, Kansas City, as sewing machine operator; received concussion of the spine and minor injuries from falling elevator; died two days later.

Jessie Robertson, aged 19 years, single, employed by C. J. Baker, Kansas City, as sewing machine operator; both ankles sprained by falling elevator; disabled one week.

Mamie Bridgeman, aged 18 years, single, employed by C. J. Baker, Kansas City; both ankles sprained by falling elevator; disabled less than a week.

Minnie Ashley, aged 16 years, employed by C. J. Baker, Kansas City, as sewing machine operator; received fracture of left leg from falling elevator; disabled about six weeks.

Mrs. J. A. Proctor, aged 37 years, widow, employed by C. J. Baker, Kansas City, as sewing machine operator; disabled for six weeks from injuries received by fall of elevator.

The above accidents in C. J. Baker's tent and awning factory were caused by slipping of rope on freight elevator. Wages were paid by the firm during disability. Accident occurred June 23, 1897.

May 21, 1897.—Edward Scherer, aged 19, employed by the Beham Mfg. Co., Kansas City, in the manufacture of laundry bluing, fell on stairs and was thrown on revolving shaft by loose belt, which bound him to shaft; injuries resulted in death.

## REPORT FROM ORGANIZED WAGE-WORKERS.

The following circular letter accompanied by the proper blanks was sent to 218 labor unions of the State for the purpose of securing information as to wages, amount of earnings, duration of employment, the causes leading to strikes, lockouts, boycotts and their final result:

To.....

Secretary of.....

Dear Sir: This Bureau is now engaged in compiling a wage table, amount of earnings and duration of employment of the different organized workmen in this State, and also investigating into the benefits to be derived from the formation of labor organizations.

The Commissioner need hardly remind you that it is only by such co-operation on the part of workmen and the hearty support of the labor organizations of the State that he can obtain reliable statistics for compilation in the annual report of the condition of the wage earners; and without such information no correct understanding of the needs and conditions of the laboring classes can be formed. It is, therefore, earnestly requested that your organization will assist this Bureau in its work of placing the working people in their proper light before the entire community.

Lest there should be any apprehension on the part of organizations that answering of the questions in this blank form may be prejudicial to their personal or business interests, the Commissioner desires it to be distinctly understood that the Bureau will preserve the strictest confidence with all correspondents and informants. The information and data collected by the investigations of this department will be classified and grouped in totals, and no names of persons or unions, except by express permission, will appear in the report, or be otherwise given to the public.

Inclosed find return envelope.

Respectfully yours,

A. ROZELLE,

Commissioner.

The aid of the State Federation of Labor was also enlisted and a communication calling the attention of the various organizations to the importance of making accurate and prompt returns was draughted by the Executive Council.

The returns, however, were not up to expectations, as but 50 blanks of the total number sent out were returned. Many of the organizations reporting failed to make reply to certain questions, and as a consequence no deductions can be made from these.

|  |       |
|--|-------|
| Total number of organizations reporting .....                        | 50    |
| Number reporting increase in wages since organization .....          | 26    |
| Number reporting decrease in wages since organization .....          | 3     |
| Number reporting stationary wages since organization .....           | 22    |
| Number reporting reduction of hours since organization .....         | 31    |
| Number reporting no change of hours since organization .....         | 19    |
| Organized trades working ten hours per day .....                     | 16    |
| Organized trades working nine hours per day .....                    | 4     |
| Organized trades working eight hours per day .....                   | 17    |
| Organized trades working twelve hours per day .....                  | 6     |
| Organized trades working six and one-half hours per day .....        | 2     |
| Organized trades making no returns regarding hours .....             | 5     |
| Total number of members in organizations reporting .....             | 6,073 |
| Total number of members out of work in organizations reporting ..... | 950   |
| Organizations failing to report number unemployed .....              | 9     |

Forty-two organized trades report having prevented a reduction in wages through the efforts of the organization.

Forty-five unions report that the general conditions of the trade have been improved owing to the existence of the union.

Forty-one organizations have rendered financial assistance to their members.

### STRIKES.

Very few strikes of any importance have occurred during the year. A number of union strikes where from two to twenty people were involved, lasting from two days to two weeks, occurred, but from these no statistics could be secured.

The following reports have been received:

Sprinkler Fitters' Union of St. Louis struck on work for General Fire Extinguisher Company of Chicago. Demands were for a reduction of hours from 10 to 8 without a corresponding reduction in wages. Six males were engaged in the strike, which lasted 20 days and the demands of the organization were granted.

A strike was declared by Cigarmakers' International Union No. 44 against reduction of wages and introduction of steam system in the cigar factory of H. L. Bloch & Co., St. Louis, April 28, 1896. Six persons were involved. Boycott was declared. Duration of strike, 10½ months. Terminated in agreement to abide by the union scale and rules. Two hundred and seventy-four dollars and thirty-four cents was paid out by the union in strike benefits.

On April 1, 1897, United Garment Workers of America, Local Union No. 105 of St. Louis, declared a strike against a 35 per cent reduction in wages which involved 13 clothing manufacturers. Four hundred males and 250 females were engaged in the strike, which was terminated by an agreement on the part of all firms involved to restore the scale of wages in force prior to the reduction, and recognition of union rules.

April 22, 1897, a strike was declared by the Building Trades

Council of St. Louis against the firm of M. L. Carter & Co. of St. Louis for working nonunion electrical workers and ignoring union rules. Seventy-five men were involved. Strike lasted six days and was terminated by the firm agreeing to employ none but union men and pay the scale of wages.

July 18, 1897, the Flour and Cereal Mill Men's Union, No. 6,642, of St. Louis declared a strike for a restoration of wages against the Geo. P. Plant Milling Company. The strike involved 22 males. A boycott was declared. No settlement had been made when this report was prepared.

## FACTORY INSPECTION IN THE UNITED STATES.

The following data has been secured from the Department of Labor, Washington, D. C.:

The beginning of factory legislation and inspection in the United States dates back to the year 1877. In that year Massachusetts enacted the first law providing for the inspection of factories. The example set by Massachusetts has been followed by 13 other States, namely: New Jersey, Wisconsin, Ohio, Maine, New York, Connecticut, Minnesota, Pennsylvania, Tennessee, Illinois, Michigan, Rhode Island and Missouri.

From the above it will be seen that provision for factory inspection has kept pace with the growth and expansion of manufacturing industries in the several States. In like manner has factory legislation in the various States been enacted to meet the ever changing conditions in the industrial world. With new enactments the need of a larger inspection force was recognized, and Massachusetts, since taking the initiative, has increased its inspection force from one to twenty-six and one chief. Ohio, from one to one chief and 11 district inspectors. New Jersey, from one to one chief and six deputy inspectors.

The first act relating to factory inspection in the State of New York was passed in 1886, and provided for the appointment of a factory inspector and assistant inspector. This force has been increased to 26; one chief, one assistant and 24 deputy inspectors.

Connecticut has but one inspector, but provision is made for the appointment of special agents as assistant inspectors.

The inspection force of Pennsylvania has been increased from seven to twenty-one; one chief and 20 deputy inspectors.

The inspection force of Illinois remains as originally created: one chief, one assistant and 10 deputies.

The law providing for the inspection of factories in the State of Rhode Island was enacted in 1894 and provides for the appointment of two inspectors.

The law in Maine provides for the appointment of a deputy commissioner of labor and assistant deputies if needed.

The act creating an inspection force in Michigan became a law in 1893 and provided for the annual inspection of manufacturing

establishments by the Commissioner or Deputy Commissioner of Labor. No limit except by appropriation was placed upon the number of deputies to be appointed.

An act adopted by the State of Wisconsin in 1897 provides for the appointment of two inspectors.

The Wisconsin law provides for the appointment of one special inspector and two deputies.

In Tennessee the work of factory inspection devolves upon the Labor Commissioner.

In the year 1879 Missouri created a Bureau of Labor Statistics and inspection of factories, mines and work shops, but the work was limited to securing information rather than the enforcement of any particular law. The act relating to the inspection of factories now in force was adopted in 1891, and provides for the appointment of inspectors with deputies by the various cities having a population of 5,000 or more.

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## RECOMMENDATIONS.

Section 1 of the "Act relating to manufacturing, mercantile, mechanical and other establishments and places, and the employment, safety, health and work hours of employes" provides for the inspection of all factories employing more than 10 persons.

This section practically exempts the sweat shops of the State from inspection, as by far the largest number do not employ more than seven to ten persons. Buildings are to be found in the city of St. Louis which contain from 10 to 20 tailoring shops, independent of one another, with an aggregate working force of from 70 to 200 persons, where sanitary and other conditions could hardly be worse, yet they are exempt from inspection under this section.

This section should be amended to either abolish the limit entirely or reduce the minimum limit to five employes.

Section 6 of the same act, relating to fire escapes should be so amended as to provide that all fire escapes should be so designed as not to be dangerous for women and children; to be of noncombustible material and of sufficient number to accommodate the number of persons employed.

Under the existing law any iron ladder, no matter how constructed, will meet the requirements.

Section 11, while providing for separate water closets for the sexes, makes no provision for an adequate number in proportion to



the number of persons employed. This section should be so amended as to provide suitable accommodations.

Section 12 should be amended so as to define what number of cubic feet of air space per person is required for proper ventilation of work shops.

Section 15 should be amended by inserting "any of the inspectors appointed under this act" after the words "Commissioner of Labor" in the first line.

Section 16 should be amended by substituting "any of the inspectors appointed under this act" for "or assistant inspector" in the first line.

Section 17, relating to sanitary conditions of bake shops, should be amended so as to provide for suitable water closet and wash room facilities, proper ventilation; for the storage of manufactured goods, and the height of room.

The child labor law adopted at the last session of the Legislature should be amended by making it the duty of every person employing children to keep a register in which shall be recorded the name, birthplace, age and place of residence of every person employed under the age of 16 years; and to make it unlawful for any manufacturing establishment to employ any child under the age of 16 years without first providing and placing on file a sworn statement made by the parent or guardian, giving the age, date and place of birth of said child, said statement to be produced for inspection on demand made by any factory inspector appointed under this act. The exception clause should be stricken out.

Absolutely nothing has been done towards regulating tenement house manufacture. In all other States where provision for factory inspection has been made, some sort of a law regulating this class of manufacturers has been passed. What has already been said on this subject ought to convince everyone of the necessity of providing similar regulations in this State.



## WATER WORKS, ELECTRIC LIGHT AND GAS PLANTS.

At the national meeting of State Labor Commissioners held in 1896 the proposition to make an investigation of the municipal, corporate and private ownership of water works, electric light and gas plants was considered, and it was decided that such work should be conducted under the direction of the United States Commissioner of Labor, Hon. Carroll D. Wright.

In pursuance of the aforesaid action, Commissioner Wright prepared and distributed a set of blanks for the use of the several State Commissioners during February of the present year.

This Bureau began the work of this investigation April 1st by mailing to the manager or superintendent of every such plant in the State a copy of the aforesaid blanks, together with a circular letter setting forth the purpose of the investigation.

As no such information had ever been officially compiled in this State, some difficulty was experienced in having its purposes and necessity understood. Some companies were slow about reporting and numerous reports, when received, were deficient in essential particulars and had to be returned (in some instances three times) for correction. But through persistent effort a fairly complete report of those plants in Missouri is embodied in the following tables. The net results showing the operation of municipal plants as favorable to the interests of their citizens.

Reports were received from 90 operators of electric light, gas and water plants. The electric light plants reported number 58, of which 10 are owned by municipalities, 14 by private parties and 34 by corporations. Out of these 58 plants there are 9 that embrace water works and 5 furnish gas also.

There were 15 gas plants reported, of which one is owned by a municipality, 3 by private parties and 11 by corporations. One of the plants also embraces a water works.

There are 33 water works plants reported, of which 9 are owned by municipalities, 4 by private parties and 20 by corporations. Of the 33 plants 9 are operated in connection with electric light plants and 1 with a gas plant.

Total cost of 90 plants, \$8,232,890. Total true value (capitalizing net income on 5 per cent basis), \$11,538,680, showing the true value of the plants to be worth 40 per cent more than their cost.

The assessed valuation was furnished on only 67 plants, which aggregate \$1,651,710. The actual cost of same plants was \$7,762,722, and the true value of same plants amounts to \$10,059,038, showing assessment on actual cost at the rate of 21.22 per cent and on the true value of the plants, 16.42 per cent.

The plants reported to this office were established as follows:

|                        |      |                        |      |
|------------------------|------|------------------------|------|
| 1 during the year..... | 1865 | 5 during the year..... | 1889 |
| 1   "   "   ".....     | 1872 | 3   "   "   ".....     | 1890 |
| 1   "   "   ".....     | 1877 | 16   "   "   ".....    | 1891 |
| 1   "   "   ".....     | 1878 | 8   "   "   ".....     | 1892 |
| 3   "   "   ".....     | 1881 | 10   "   "   ".....    | 1893 |
| 2   "   "   ".....     | 1882 | 5   "   "   ".....     | 1894 |
| 3   "   "   ".....     | 1883 | 9   "   "   ".....     | 1895 |
| 3   "   "   ".....     | 1884 | 2   "   "   ".....     | 1896 |
| 3   "   "   ".....     | 1886 | 4   "   "   ".....     | 1897 |
| 5   "   "   ".....     | 1887 |                        |      |
| 5   "   "   ".....     | 1888 | 90                     |      |

Table No. 1 ELECTRIC LIGHT AND POWER, GAS AND WATER PLANTS.

| OFFICE<br>NUMBER | KIND OF SERVICE AND<br>OWNERSHIP |         |              |         | DATE<br>OF   |         | COST OF PLANT |           |           |          |                                 |          |                      |         | VALUE OF PLANT               |            |          |         | TRUE<br>VALUE<br>OF<br>PLANT |
|------------------|----------------------------------|---------|--------------|---------|--------------|---------|---------------|-----------|-----------|----------|---------------------------------|----------|----------------------|---------|------------------------------|------------|----------|---------|------------------------------|
|                  | Electric                         |         | Gas          |         | Water        |         | Land          | Buildings | Machinery | Tools    | Wire, pipes and street<br>mains | Motors   | All other appliances | Total   | Date of last as-<br>sessment | Assessment |          |         |                              |
|                  | Municipality                     | Private | Municipality | Private | Municipality | Private |               |           |           |          |                                 |          |                      |         |                              | Real       | Personal | Total   |                              |
|                  |                                  |         |              |         |              |         |               |           |           |          |                                 |          |                      |         |                              |            |          |         |                              |
|                  |                                  |         |              |         |              |         |               |           |           |          |                                 |          |                      |         |                              |            |          |         |                              |
| Yes              | Yes                              | Yes     | Yes          | Yes     | Yes          | \$160   | \$1,200       | \$13,000  | \$600     | \$17,000 | \$500                           | \$20,000 | \$20,000             | \$100   | \$20,100                     | \$19,680   |          |         |                              |
| 1                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,000         | 8,000     | 2,350     | 150      | 40,000                          | 800      | \$20,000             | 78,000  | 1896                         | 1,000      | \$20,100 | 86,000  |                              |
| 2                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 300           | 600       | 3,000     | 100      | 8,000                           | 350      | 90,000               | 8,450   | 1896                         | 2,500      | 2,500    | 5,000   |                              |
| 3                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 300           | 600       | 3,000     | 100      | 8,000                           | 350      | 90,000               | 8,450   | 1896                         | 2,500      | 2,500    | 5,000   |                              |
| 4                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 300           | 600       | 3,000     | 100      | 8,000                           | 350      | 90,000               | 8,450   | 1896                         | 2,500      | 2,500    | 5,000   |                              |
| 5                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 100           | 1,600     | 5,000     | 4,100    | 4,100                           | 200      | 12,000               | 12,800  | 1896                         | 800        | 4,500    | 5,300   |                              |
| 6                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 100           | 500       | 1,000     | 5,000    | 200                             | 200      | 200                  | 7,400   | 1896                         | 3,000      | 8,000    | 11,000  |                              |
| 7                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 500           | 500       | 1,000     | 5,000    | 200                             | 200      | 200                  | 7,400   | 1896                         | 6,000      | 12,000   | 18,400  |                              |
| 8                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 500           | 500       | 1,000     | 5,000    | 200                             | 200      | 200                  | 7,400   | 1896                         | 6,000      | 12,000   | 18,400  |                              |
| 9                | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 2,000         | 7,000     | 15,000    | 1,000    | 50,000                          | 1,000    | 20,000               | 106,000 | 1896                         | 20,000     | 21,800   | 41,800  |                              |
| 10               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 2,000         | 7,000     | 15,000    | 1,000    | 50,000                          | 1,000    | 20,000               | 106,000 | 1896                         | 20,000     | 21,800   | 41,800  |                              |
| 11               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 750           | 750       | 3,100     | 150      | 1,200                           | 75       | 1,425                | 6,500   | 1896                         | 5,000      | 6,500    | 11,500  |                              |
| 12               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 5,000         | 5,000     | 18,000    | 2,000    | 85,000                          | 2,000    | 10,000               | 65,000  | 1896                         | 8,000      | 8,000    | 16,000  |                              |
| 13               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 4,000         | 4,000     | 18,000    | 2,000    | 85,000                          | 2,000    | 74,000               | 75,000  | 1896                         | 8,000      | 14,000   | 22,000  |                              |
| 14               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 5,150         | 2,715     | 8,000     | 500      | 20,612                          | 818      | 400                  | 98,000  | 1897                         | 24,745     | 84,650   | 109,395 |                              |
| 15               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,495         | 1,495     | 5,921     | 1,875    | 16,825                          | 1,200    | 18,874               | 11,000  | 1896                         | 15,000     | 15,000   | 30,000  |                              |
| 16               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,000         | 4,500     | 1,500     | 25       | 2,000                           | 400      | 8,000                | 40,800  | 1896                         | 40,775     | 40,775   | 81,550  |                              |
| 17               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 500           | 500       | 15,000    | 800      | 10,000                          | 8,000    | 28,800               | 28,800  | 1896                         | 45,000     | 45,000   | 90,000  |                              |
| 18               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 400           | 700       | 2,000     | 160      | 6,500                           | 75       | 2,000                | 7,000   | 1896                         | 2,900      | 2,900    | 5,800   |                              |
| 19               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 800           | 1,150     | 3,200     | 100      | 1,800                           | 100      | 800                  | 17,750  | 1896                         | 2,900      | 2,900    | 5,800   |                              |
| 20               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 5,000         | 6,000     | 6,000     | 400      | 38,000                          | 400      | 6,000                | 58,400  | 1896                         | 8,077      | 9,200    | 17,277  |                              |
| 21               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 22               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 23               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 24               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 25               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 26               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 27               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 28               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 29               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 30               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 31               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 32               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 33               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 34               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 35               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 36               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 37               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 38               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 39               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 40               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 41               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 42               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 43               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 44               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |
| 45               | Yes                              | Yes     | Yes          | Yes     | Yes          | Yes     | 1,500         | 1,500     | 6,000     | 1,000    | 9,000                           | 500      | 8,000                | 25,000  | 1896                         | 2,800      | 2,800    | 5,600   |                              |

## BUREAU OF LABOR STATISTICS.

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Table No. 1.—Continued. ELECTRIC LIGHT AND POWER, GAS AND WATER PLANTS.

| GAS LAMPS, METERS, ETC. |                       |                                       |                |   |                               | SELLING PRICE OF ELECTRICITY   |                     |                      |                               |                       |                                |                |              |                           |              |                |
|-------------------------|-----------------------|---------------------------------------|----------------|---|-------------------------------|--|---------------------|----------------------|-------------------------------|-----------------------|--------------------------------|----------------|--------------|---------------------------|--------------|----------------|
| Office Number           | Retail price per lamp | Number of public gas lamps at present | Price per lamp | Estimated hourly consumption of each lamp | Charge for meter rent, if any | Minimum monthly charge, if any, to customers supplied on contract system |                     | SCHEDULE PRICES      |                               |                       |                                | Price per lamp |              | Price per ampere by meter |              |                |
|                         |                       |                                       |                |   |                               | Arc lights   | Incandescent lights | Municipal arc lights | Municipal incandescent lights | Commercial arc lights | Commercial incandescent lights | Arc            | Incandescent | Arc                       | Incandescent |                |
| 1                       |                       |                                       |                |   |                               |  | \$0.50              | \$8.00               | \$0.50                        |                       |                                |                |              |                           |              | Incandescent   |
| 4                       |                       |                                       |                |   |                               |  | .40                 | 5.85                 | 1.75                          |                       |                                |                |              |                           |              |                |
| 6                       |                       |                                       |                |   |                               |  | .30                 |                      | .65                           |                       |                                |                |              |                           |              |                |
| 8                       |                       |                                       |                |   |                               |  |                     |                      |                               | \$6.00                |                                |                |              |                           |              |                |
| 9                       |                       |                                       |                |   |                               |  |                     |                      |                               | 1.00                  |                                |                |              |                           |              |                |
| 10                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       | .75                            |                |              |                           |              |                |
| 11                      | \$2.25                | 87                                    | \$28.05        | 6 ft                                      |                               |  |                     |                      |                               |                       |                                |                |              |                           |              | .01            |
| 12                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 13                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 16                      |                       |                                       |                |   |                               |  | .50                 | 7.50                 |                               | 8.00                  |                                |                |              |                           |              | .01            |
| 17                      |                       |                                       |                |   |                               |  | .50                 |                      |                               |                       |                                |                |              |                           |              |                |
| 20                      | 2.00                  |                                       |                |   |                               |  |                     | 8.25                 |                               |                       |                                |                |              |                           |              |                |
| 22                      |                       | 2                                     | 30.00          | 5 ft                                      |                               |  |                     | 9.00                 |                               | \$5.00 and \$7.00     | .75 to 1.25                    | \$8.00         | 75 to 1.25   |                           |              | 30c K. W. hour |
| 24                      |                       |                                       |                |   |                               |  |                     | 7.00                 |                               | 6.50                  |                                |                |              |                           |              | .01            |
| 25                      |                       |                                       |                |   |                               |  |                     | 8.50                 |                               | 7.00                  | 1.00                           | 7.00           | .50          |                           |              | .02            |
| 27                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 28                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 30                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 31                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 32                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 33                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 35                      |                       | 42                                    |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 36                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 38                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 39                      | 12.50                 |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 40                      | 2.25                  | 32                                    | 24.00          | 8 ft                                      | \$0.25                        |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
| 41                      |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
|                         |                       |                                       |                |   |                               |  |                     |                      |                               |                       |                                |                |              |                           |              |                |
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1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |  |
|----|-------|--|--|------|----|------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|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Table No. 1.—Continued. ELECTRIC LIGHT AND POWER, GAS AND WATER PLANTS.

| OFFICE NUMBER | SELLING PRICE OF ELECTRICITY       |  | SELLING PRICE OF WATER              |  | SALARIES AND WAGES                           |                              |                                       |                                    |
|---------------|------------------------------------|--|-------------------------------------|--|--|------------------------------|---------------------------------------|------------------------------------|
|               | Schedule prices for electric power |  | Selling rates for specified service |  | Number of officers and employees on salaries | Number of employees on wages | Total amount of salaries for the year | Total amount of wages for the year |
| 1             |                                    |  | \$6.00 to \$15.00                   |  | 2  | 2                            | \$ 1,200                              | \$ 1,200                           |
| 2             |                                    |  | 15c to 25c                          |  | 2  | 2                            | 1,040                                 | 720                                |
| 3             |                                    |  |                                     |  |  |                              |                                       |                                    |
| 4             |                                    |  |                                     |  |  |                              |                                       |                                    |
| 5             |                                    |  |                                     |  |  |                              |                                       |                                    |
| 6             |                                    |  |                                     |  |  |                              |                                       |                                    |
| 7             |                                    |  | 25c to 60c                          |  | 2  | 2                            | 1,200                                 | \$ 1,200                           |
| 8             |                                    |  |                                     |  |  |                              |                                       |                                    |
| 9             |                                    |  |                                     |  |  |                              |                                       |                                    |
| 10            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 11            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 12            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 13            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 14            |                                    |  | \$8.00 to \$20.00                   |  | 2  | 2                            | 2,020                                 | 1,000                              |
| 15            |                                    |  | \$6.00 to \$60.00                   |  | 2  | 2                            | 150                                   | 2,000                              |
| 16            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 17            |                                    |  | 9c to 38c                           |  | 2  | 2                            | 8,180                                 | 2,160                              |
| 18            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 19            |                                    |  | 8c to 50c                           |  | 2  | 2                            | 2,660                                 | 1,660                              |
| 20            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 21            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 22            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 23            |                                    |  | \$6.00 to \$18.00                   |  | 2  | 2                            | 1,200                                 | 8,800                              |
| 24            |                                    |  | City Fire Department, \$4.00.       |  | 2  | 2                            | 2,020                                 | 8,824                              |
| 25            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 26            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 27            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 28            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 29            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 30            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 31            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 32            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 33            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 34            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 35            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 36            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 37            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 38            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 39            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 40            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 41            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 42            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 43            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 44            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 45            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 46            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 47            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 48            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 49            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 50            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 51            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 52            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 53            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 54            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 55            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 56            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 57            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 58            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 59            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 60            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 61            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 62            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 63            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 64            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 65            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 66            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 67            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 68            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 69            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 70            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 71            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 72            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 73            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 74            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 75            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 76            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 77            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 78            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 79            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 80            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 81            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 82            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 83            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 84            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 85            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 86            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 87            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 88            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 89            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 90            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 91            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 92            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 93            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 94            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 95            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 96            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 97            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 98            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 99            |                                    |  |                                     |  |  |                              |                                       |                                    |
| 100           |                                    |  |                                     |  |  |                              |                                       |                                    |



## ELECTRIC LIGHT COMPANIES.

Out of the 32 electric light companies operated by corporations 7 furnish, in addition to electric light and power, either water or gas, which could not be separated for lack of necessary data. The remaining 25 corporations supply electric light and power exclusively.

The plants of the 25 electric light companies cost, in the aggregate ..... \$1,326,001  
 The total estimated true value of the plants at this time (capitalized from net income on a basis of 5 per cent) . . 3,707,485

Difference between cost and value as shown above... \$2,381,484  
 Or a difference between cost and value of 179 per cent.

Of the 10 municipal electric light plants reported 4 combine the supply of electric light, gas or water. The data furnished will not permit of a division of cost of plant, operating expenses and net income; this leaves but 6 plants reported which are devoted exclusively to electric light and power.

The six municipal electric light plants cost, in the aggregate, \$75,500  
 The total estimated true value of the plants (capitalized on the basis of 5 per cent of net income)..... 82,000

Showing a difference between cost and value of..... \$ 6,492  
 Or 8.6 per cent.

Out of 14 electric light plants owned and operated by private firms, 4 plants embrace the supply of water also, leaving 10 plants for the supply of electric light and power. The information necessary to separate the two in these tables is also wanting.

The 10 electric light plants owned and operated by private parties cost, in the aggregate..... \$ 83,735  
 The estimated true value of the plants at this time (capitalized on the basis of 5 per cent of net income)..... 110,630

Showing a difference in favor of true value of..... \$ 26,895  
 Or 33 per cent.

Average cost to corporations for electric current per ampere. 89-100 of a cent; average cost to municipalities for electric current per ampere, 29-100 of a cent; average cost to private firms for electric current per ampere, not given.

Average selling price by corporations of incandescent light per ampere by meter, 1.02 cents.

Average selling price by Municipalities of incandescent light per ampere by meter, 96-100 of a cent.

Average selling price by private parties of incandescent light per ampere by meter, 1.59 cents.

For selling price of other lights see Table No. 2, as average could not be satisfactorily made owing to the varied service, time and incomplete returns made.

Number of salaried officers employed by electric light corporations, 49, averaging \$820; number of employes on wages, 170, averaging \$562.

Number of salaried officers, municipalities, 17, averaging \$609; employes on wages, 8, averaging \$345.

Number of salaried officers, private firms, 12, averaging \$530; employes on wages, 22, averaging \$430.



Table No. 2.

## ELECTRIC LIGHT COMPANIES.—CORPORATIONS.

| Office Number | Cost of plant | Amount of assessment | True value of plant estimated on the basis of 6% of net income | CAPACITY OF PLANT         |              |                |                                |              |                |   |              |                |  |              |                |  |
|---------------|---------------|----------------------|--|---------------------------|--------------|----------------|--------------------------------|--------------|----------------|---|--------------|----------------|--|--------------|----------------|--|
|               |               |                      |  | Arc lines, direct current |              |                | Arc lines, alternating current |              |                | Incandescent direct current—Commercial system |              |                | Incandescent direct current—Municipal system |              |                |  |
|               |               |                      |  | No. of lamps              | Candle power | Ampere current | No. of lamps                   | Candle power | Ampere current | No. of lamps                                  | Candle power | Ampere current | No. of lamps                                 | Candle power | Ampere current |  |
| 4             | \$ 3,450      | \$ 1,000             | \$ 2,000   |                           |              |                |                                |              |                | 320   | 20           | 5              |  |              |                |  |
| 10            | 12,800        | 4,500                | 4,500  |                           |              |                |                                |              |                |   |              |                |  |              |                |  |
| 13            | 18,580        |                      | 31,800   | 50                        | 2,000        | 9.6            |                                |              |                |   |              |                |  |              |                |  |
| 16            | 50,000        | 5,850                | 48,000   |                           |              |                | 16                             | 2,000        | 10             |   |              |                |  |              |                |  |
| 24            | 29,795        | 34,650               | 46,280   | 24                        | 2,000        | 8.5            | 3                              | 2,000        | 4              |   | 16           |                | 13   | 16           |                |  |
| 28            | 40,300        |                      | 40,775   |                           |              |                | 8                              | 2,000        |                |   |              |                |  |              |                |  |
| 32            | 7,000         | 2,900                | 7,500  |                           |              |                |                                |              |                |   |              |                |  |              |                |  |
| 20            | 65,000        | 8,200                | 52,000   | 75                        | 1,200        | 6              |                                |              |                |   |              |                |  |              |                |  |
| 40            | 75,000        | 28,000               | 96,504   | 41                        | 2,000        | 10             |                                |              |                | 750   | 16           |                |  |              |                |  |
| 41            | 125,000       | 15,500               | 164,490  | 250                       | 2,000        | 10             | 49                             |              |                |   |              |                |  |              |                |  |
| 44            | 30,000        | 45,000               | 52,250   |                           |              |                | 2                              | 2,000        | 20             |   |              |                |  |              |                |  |
| 45            | 708,500       | 61,470               | 2,000,000  | 1,440                     | 2,000        | 10             |                                |              |                |   |              |                |  |              |                |  |
| 50            | 30,000        | 8,250                | 47,000   | 40                        | 2,000        | 9.6            |                                |              |                |   |              |                |  |              |                |  |
| 54            | 12,016        | 5,000                | 19,200   | 35                        | 2,000        |                |                                |              |                | 750   | 16           |                |  |              |                |  |
| 56            | 4,780         | 2,520                | 7,420  | 22                        | 2,000        | 9.6            |                                |              |                |   |              |                |  |              |                |  |
| 58            | 41,000        | 7,500                | 41,000   | 45                        | 1,200        |                |                                |              |                |   |              |                |  |              |                |  |
| 63            | 10,485        | 10,000               | 50,000   | 50                        | 2,000        | 9.6            |                                |              |                |   |              |                |  |              |                |  |
| 68            | 35,000        | 9,000                | 20,000   | 25                        | 2,000        |                |                                |              |                |   |              |                |  |              |                |  |
| 64            | 9,000         | 3,000                | 3,000  | 16                        | 2,000        |                |                                |              |                | 600   | 16           |                |  |              |                |  |
| 65            | 13,500        | 4,000                | 13,500   |                           |              |                |                                |              |                |   |              |                |  |              |                |  |
| 67            | 150,000       | 6,860                | 160,000  | 27                        | 2,000        | 10             |                                |              |                |   |              |                |  |              |                |  |
| 72            | 8,000         | 1,500                | 3,470  |                           |              |                |                                |              |                |   |              |                |  |              |                |  |
| 73            | 51,734        | 20,275               | 40,000   | 30                        | 2,000        | 10             |                                |              |                |   |              |                |  |              |                |  |
| 78            | 150,000       | 25,000               | 75,000   | 26                        | 2,000        | 10             |                                |              |                |   |              |                |  |              |                |  |
| 79            | 12,750        | 3,650                | 18,000   | 28                        | 2,000        | 10             |                                |              |                |   |              |                |  |              |                |  |
| 82            | 4,500         |                      | 6,000  | 12                        | 2,000        | 8              |                                |              |                | 500   | 16           | 220            | 10   | 20           | 23             |  |
| 87            | 52,020        |                      | 1,000,000  | 322                       | 2,000        |                | 220                            | 2,000        |                |   |              |                |  |              |                |  |
| 93            | 32,200        | 5,800                | 65,000   | 135                       | 2,000        | 22             |                                |              |                | 1,500   | 16           |                |  |              |                |  |
| 95            | 11,675        | 2,500                | 18,000   |                           |              |                |                                |              |                |   |              |                |  |              |                |  |
| 97            | 34,000        | 7,850                | 48,000   | 29                        | 1,200        | 6.8            |                                |              |                |   |              |                |  |              |                |  |
| 99            | 35,000        | 17,000               | 30,000   | 40                        | 2,000        | 9.4            |                                |              |                |   |              |                |  |              |                |  |
| 100           | 3,645         | 1,300                | 5,000  |                           |              |                |                                |              |                | 600   | 16           | 30             |  |              |                |  |
| 104           | 20,000        |                      | 45,000   |                           |              |                |                                |              |                | 2,500   | 16           |                | 150  | 20           |                |  |
| 106           | 15,000        | 150                  | 20,000   | 21                        | 2,000        |                |                                |              |                | 125   | 16           | 100            |  |              |                |  |
|               | \$1,911,530   | \$337,825            | \$4,280,689  | 2,723                     |              |                | 298                            |              |                | 7,645   |              |                | 173  |              |                |  |

## MUNICIPAL.

|    |           |  |           |     |       |     |    |       |    |       |    |     |     |    |     |
|----|-----------|--|-----------|-----|-------|-----|----|-------|----|-------|----|-----|-----|----|-----|
| 1  | \$18,360  |  | \$19,680  | 28  | 1,200 |     |    |       |    | 1,200 | 16 | 32  |     |    |     |
| 9  | 12,800    |  | 10,020    |     |       |     |    |       |    |       |    |     |     |    |     |
| 27 | 11,000    |  | 15,000    | 42  | 2,000 | 9.6 |    |       |    |       |    |     |     |    |     |
| 29 | 28,800    |  | 45,000    |     |       |     | 15 | 1,000 | 16 |       |    |     |     |    |     |
| 33 | 17,750    |  | 37,000    | 40  | 1,200 |     |    |       |    |       |    |     |     |    |     |
| 75 | 19,450    |  | 25,000    |     |       |     | 30 | 2,000 |    |       |    |     |     |    |     |
| 81 | 17,000    |  | 30,000    | 1   | 800   | 5   |    |       |    | 500   | 16 | 300 | 100 | 25 | 150 |
| 91 | 18,583    |  | 14,400    | 42  | 2,000 | 9.5 |    |       |    |       |    |     |     |    |     |
| 92 | 11,125    |  | 15,400    | 28  | 1,200 | 6.8 |    |       |    |       |    |     |     |    |     |
| 94 | 5,000     |  | 7,500     |     |       |     |    |       |    | 475   | 16 |     | 72  | 25 |     |
|    | \$158,508 |  | \$219,000 | 181 |       |     | 45 |       |    | 2,175 |    |     | 172 |    |     |

\* Including water or gas plant.

Table No. 2.—Continued.

## ELECTRIC LIGHT COMPANIES.—CORPORATIONS.

| CAPACITY OF PLANT                               |              |                |  |                |                | Power generators, voltage   | Power generators, capacity of each |
|---|--------------|----------------|--|----------------|----------------|-----------------------------|------------------------------------|
| Incandescent, alternating—<br>Commercial system |              |                | Incandescent, alternating—<br>Municipal system |                |                |                             |                                    |
| No. of lamps                                    | Candle power | Ampere current | No. of lamps                                   | Candle power   | Ampere current |                             |                                    |
| 1,100   | 16           |                | 75   | 32             |                | 1,000                       |                                    |
| 1,200   |              |                |  |                |                |                             |                                    |
| 1,100   | 16           |                |  |                |                |                             |                                    |
| 2,000   | 16           |                | 5  | 16             |                | 1 of 250                    | 1 of 60 amperes                    |
| 3,000   | 16           |                | 100  | 32             |                | 2,000                       | 900                                |
| 500   | 16           | 22½            | 36   | 32             | 3½             |                             |                                    |
| 400   | 16           | 1              |  |                |                |                             |                                    |
| 4,800   | 16           |                |  |                |                |                             |                                    |
| 2,600   | 16           | 1              |  |                |                | 500                         | 60 Kilo. Watts                     |
| 4,000   | 16           | 1              |  |                |                | 500                         | 60,000 Watts                       |
| 2 Cir.  | National     |                |  |                |                |                             |                                    |
| 600   | 16           |                | 1,300  | 16&32          |                |                             |                                    |
| 3,000   | 16           |                |  |                |                | 1,000                       | 75 and 37½ K. W.                   |
| 3,000   | 16           |                | 1,100  |                |                |                             |                                    |
| 500   | 16           |                |  |                |                | 104                         | 1,000                              |
|   |              |                |  |                |                | Vt 200, 1 dir. cur. 700 lt. | 30 lt Mac. "Wood"                  |
|   |              |                |  |                |                | 120 each; 240               | 240 amperes                        |
| 640   | 16           |                | 30   | 32             |                | 1,000                       |                                    |
| 500   | 16           |                |  |                |                | 1,200                       | 1,400                              |
| 1,100   | 16           | 30             |  |                |                |                             |                                    |
| 4,918   | 16           |                |  |                |                | 250 and 500                 | 250 volts, 7 gen., 1,560 am.       |
|   |              |                |  |                |                | 500 volts, 7 gen., 220 am.  |                                    |
| 600   | 16           |                |  |                |                | 6 arc; cap., 35 each        | 2 incand.; 660 lamps each          |
|   |              |                |  |                |                | 1,000                       | 1,000                              |
|   |              |                | 1,500  | 10<br>16<br>32 |                |                             |                                    |
| 2,000   | 16           | 100            |  |                |                |                             |                                    |
|   |              |                |  |                |                |                             |                                    |
|   |              |                |  |                |                | 4                           | 150 incan. arc; 15 each            |
| 36,158  |              |                | 4,146  |                |                |                             |                                    |

## MUNICIPAL.

|       |       |                    |           |    |  |                         |                  |
|-------|-------|--------------------|-----------|----|--|-------------------------|------------------|
| 800   | 16    |                    | 64        | 16 |  | 1 altern. dy., 90 K. W. |                  |
| 850   | 16&32 |                    | (4 lines) |    |  | 55 amperes 11,000 volts |                  |
| 600   | 16    | 30                 |           |    |  | 125 volts               | 15 K. W.         |
| 1,800 | 16    |                    |           |    |  | 45 lgt. arc             | 1,200 alternator |
| 950   | 16    | P. 27½, S. 550 am. |           |    |  | 1,150 volt, 80 amperes  |                  |
| 1,200 | 16    |                    |           |    |  |                         |                  |
| 6,200 |       |                    | 64        |    |  |                         |                  |

Table No. 2.—Continued.

## ELECTRIC LIGHT COMPANIES.—CORPORATIONS.

| Office Number | Cost of electric current per ampere | SELLING PRICE OF ELECTRICITY                    |                     |                      |                                |                       |                                 |                 |              | Price per ampere by meter<br>—arc |
|---------------|-------------------------------------|---|---------------------|----------------------|--------------------------------|-----------------------|---------------------------------|-----------------|--------------|-----------------------------------|
|               |                                     | Min. monthly charge, if any, on contract system |                     | Schedule prices      |                                |                       |                                 | Per lamp. C. P. |              |                                   |
|               |                                     | Arc lights                                      | Incandescent lights | Municipal—arc lights | Municipal—in-candescent lights | Commercial—arc lights | Commercial—in-candescent lights | Arc             | Incandescent |                                   |
| 4             | \$0.009                             |   | \$0.50              |                      | \$0.50                         |                       | \$0.50                          |                 | 20 c. p.     | \$0.81                            |
| 10            | .01                                 |   |                     |                      | 1.00                           |                       | .25 & .75                       |                 | 16 c. p.     | .30                               |
| 13            | .04                                 |   |                     |                      |                                | \$ 8.00               | .50 & .50                       |                 |              |                                   |
| 16            |                                     |   | .50                 | \$7.50               |                                |                       | .50 & .75                       |                 |              |                                   |
| 24            |                                     | \$ 7.00   | .25                 | 8.50                 |                                | 7.00                  | 1.00                            | \$ 7.00         |              | .50                               |
| 28            | .01                                 | 6.00  | .50                 |                      | 1.15                           | 10.00                 | 1.00                            |                 |              |                                   |
| 32            | .01                                 |   |                     |                      | 1.25                           |                       | .60 & .80                       |                 | .75 & 1.00   | \$0.05                            |
| 20            | .01                                 |   |                     | { 8.25               | {                              | { 5.00                | .75                             | 5.00            | .75          |                                   |
|               |                                     |   |                     | { 8.00               | {                              | { 6.00                | .90                             | 6.00            | 1.90         |                                   |
| 40            |                                     |   | .50                 | 10.25                |                                | 7.00                  | 1.25                            | 7.00            | 1.25         |                                   |
|               |                                     |   |                     |                      |                                |                       |                                 | 10.25           | .50 & .75    |                                   |
| 41            | .04                                 | 4.00  | .50                 | 6.00                 | .50                            | { 4.00                | { .50                           | {               | .35          | .05                               |
|               |                                     |   |                     |                      |                                | { 6.50                | .75                             |                 |              |                                   |
|               |                                     |   |                     |                      |                                | { 8.50                |                                 |                 |              |                                   |
| 44            | .01                                 |   |                     |                      |                                |                       | .50                             |                 |              |                                   |
| 45            | .01                                 | 1.00  |                     | 8.33                 |                                | \$1 to \$20           | 1c per hr.                      |                 |              | .01                               |
| 50            |                                     |   |                     | 6.50                 |                                | 5.00                  |                                 |                 | .68          |                                   |
| 54            |                                     | 7.00  |                     | 5.00                 |                                | 7.50                  | .50                             | 7.50            | .50          |                                   |
| 56            |                                     | 5.00  | .50                 | 5.00                 | .50                            | 5.00                  |                                 |                 |              |                                   |
| 59            |                                     | 7.00  | .40 & 1.25          | 8.00                 | 1.00                           | 7.00                  | .40 & .80                       | 7.00            | .40 & .80    |                                   |
| 63            |                                     |   | .50                 | 4.50                 |                                |                       | .50 & .75                       |                 |              |                                   |
| 63A           |                                     | 8.33  | .40                 | 7.50                 |                                | 8.33                  | .40 & 1.00                      |                 |              |                                   |
| 64            |                                     |   | .25                 | 6.00                 |                                |                       |                                 | 6.00            | .35          |                                   |
| 65            |                                     |   |                     | 6.00                 |                                | 7.00                  | .30 & .75                       |                 |              |                                   |
| 67A           |                                     | 8.00  |                     | 8.33                 |                                | 8.00                  |                                 | { 8.33          | {            |                                   |
|               |                                     |   |                     |                      |                                |                       |                                 | 8.00            |              |                                   |
| 72            | .01                                 |   | .65                 |                      | 1.50                           |                       |                                 |                 |              |                                   |
| 73            | .04                                 |   |                     | 7.95                 |                                | 6.00                  | .50                             |                 |              |                                   |
| 78            |                                     |   |                     | 6.63                 |                                |                       |                                 |                 |              |                                   |
| 79            |                                     | 7.50  | .50                 | 7.50                 |                                | 7.50                  | .62                             |                 |              |                                   |
| 82            |                                     | 6.00  | .20                 | 6.00                 | 1.00                           | 6.00                  | .50                             |                 |              |                                   |
| 87            |                                     | 5.00  |                     |                      |                                |                       |                                 |                 |              |                                   |
| 93            |                                     | 7.00  | .66 & 1.00          | 6.35                 | .50                            | 7.00                  | .60 & 1.00                      |                 |              |                                   |
| 95            |                                     |   |                     |                      |                                |                       | .50                             |                 | .50          |                                   |
| 97            |                                     |   | .10                 | \$7 & 7.50           | .75                            |                       | .75                             |                 | .20          |                                   |
| 99            | .04                                 |   | .25                 | 7.82                 |                                |                       | .50 & .90                       |                 | .30          |                                   |
| 100           |                                     |   |                     |                      | .40                            |                       |                                 |                 | .40          |                                   |
| 104           |                                     |   |                     |                      | .40                            |                       |                                 |                 | .40          |                                   |
| 106           |                                     | 7.00  | .75                 | 5.00                 |                                | 8.00                  | 1.00                            | 8.00            | 1.00         |                                   |
|               | .0089                               |   |                     |                      |                                |                       |                                 |                 |              |                                   |

## MUNICIPAL.

|    |       |        |           |      |        |  |      |        |     |        |           |
|----|-------|--------|-----------|------|--------|--|------|--------|-----|--------|-----------|
| 1  |       |        |           |      |        |  |      | \$0.30 |     |        |           |
| 9  |       |        |           |      |        |  |      | .50    |     |        |           |
| 27 |       | \$5.00 | 16-\$0.65 |      | \$5.00 |  |      | .65    |     | \$5.00 | \$0.65    |
|    |       |        | .82-.80   |      |        |  |      | .80    |     |        | .80       |
| 29 |       | \$0.01 | .50       |      | \$0.50 |  |      | .50    |     |        | .50 & .70 |
| 38 | .04   |        |           |      |        |  |      | 7.00   |     |        |           |
| 75 |       | 7.00   | .10       |      |        |  |      | 7.00   | .25 |        |           |
| 81 |       |        | .50       |      | 1.00   |  |      |        | .65 |        |           |
|    |       |        |           |      | .80    |  |      |        | .60 |        |           |
| 91 |       | 6.00   | .55       | 7.50 | 1.30   |  | 7.50 |        | .75 |        |           |
| 92 |       |        | .25       |      |        |  | 7.00 |        | .50 |        |           |
| 94 |       |        |           |      | .45    |  |      |        |     |        | .45       |
|    |       |        |           |      | .65    |  |      |        |     |        | .65       |
|    | .0029 |        |           |      |        |  |      |        |     |        |           |

Table No. 2.—Continued.

## ELECTRIC LIGHT COMPANIES.—CORPORATIONS.

| SELLING PRICE OF ELECTRICITY               |                                      | SALARIES AND WAGES                           |                           |                             |                          |           |
|--|--------------------------------------|--|---------------------------|-----------------------------|--------------------------|-----------|
| Price per ampere by meter<br>—Incandescent | Schedule price for electric<br>power | No. of officers and employees<br>drawing pay | No. of employees on wages | Total salaries for the year | Total wages for the year | Total     |
| \$0.01                                     |                                      | 3  |                           | \$ 720                      |                          | \$ 720    |
|  |                                      | 3  | 2                         | 150                         | \$1,000                  | 1,150     |
| .01  |                                      | 3  | 1                         | 1,200                       | 350                      | 1,550     |
| .02  | 2c per ampere                        | 3  | 4                         | L. & W. 1,620               | 2,160                    | 3,780     |
| .014                                       | 8½c per h. p. per hour               | 3  | 6                         | L. & W. 1,560               | 3,324                    | 4,884     |
| .01  |                                      | 2  | 2                         | 265                         | 2,000                    | 2,265     |
|  |                                      | 2  |                           | 1,225                       |                          | 1,225     |
| .01  |                                      | 8  |                           | G. & E. 4,826               |                          | 4,826     |
|  |                                      | 8  | 7                         | G. & E. 1,800               | 3,767                    | 5,567     |
| .04  | \$3 per h. p. per month              | 13   | 10                        | 2,300                       | 6,000                    | 8,300     |
|  | 20c per K. W. per hour, dis. off     | 7  | 5                         | 1,800                       | 3,150                    | 4,950     |
| .01  | 20c per K. W. per hour, dis. off     | 42   | 40                        | 2,100                       | 28,660                   | 30,760    |
|  |                                      | 4  | 4                         |                             | 2,657                    | 2,657     |
| .03  |                                      | 5  | 2                         |                             | 1,290                    | 1,290     |
| .01  |                                      | 5  | 3                         |                             | 2,500                    | 2,500     |
| .01  |                                      | 5  | 5                         |                             | 2,880                    | 2,880     |
|  |                                      | 3  | 3                         | 700                         | 2,000                    | 2,700     |
|  |                                      | 3  | 7                         | 1,800                       | 3,200                    | 5,000     |
|  |                                      | 3  | 1                         | 1,200                       |                          | 1,200     |
|  |                                      | 3  | 2                         |                             | 700                      | 700       |
|  |                                      | 10   | 8                         | G. & E. 1,680               | 3,000                    | 4,680     |
| .03  |                                      | 6  | 2                         | 70                          | 900                      | 970       |
| .01  |                                      | 5  | 4                         | 700                         | 1,400                    | 2,100     |
|  |                                      | 7  | 5                         | 1,800                       | 2,016                    | 3,816     |
|  |                                      | 3  | 2                         | 180                         | 1,680                    | 1,860     |
|  |                                      | 2  | 2                         |                             | 720                      | 720       |
|  | 4, 5 and 6 cents                     | 24   | 20                        | 7,000                       | 10,579                   | 17,579    |
|  | \$3.50 per h. p. per month           | 10   | 2                         | 5,300                       | 700                      | 6,000     |
|  |                                      | 1  | 1                         |                             | 480                      | 480       |
|  |                                      | 6  | 4                         | G. & E. 1,200               | 1,580                    | 2,780     |
|  |                                      | 5  | 5                         |                             | 2,820                    | 2,820     |
|  |                                      | 2  |                           | 570                         |                          | 570       |
|  |                                      | 3  | 3                         |                             | 1,500                    | 1,500     |
|  |                                      | 10   | 8                         | 850                         | 2,400                    | 3,250     |
| .0102                                      |                                      | 219  | 170                       | \$39,290                    | \$95,663                 | \$134,953 |

## MUNICIPAL.

|                    |  |    |   |          |         |          |
|--------------------|--|----|---|----------|---------|----------|
|                    |  | 2  |   | \$1,200  |         | \$1,200  |
|                    |  | 3  |   | 2,020    |         | 2,020    |
| \$0.04             |  | 2  | 2 |          | \$720   | 720      |
| .03                |  | 3  | 1 | 1,800    | 800     | 2,100    |
| .04                |  | 3  |   | 1,560    |         | 1,560    |
| .01                |  | 2  | 2 |          | 900     | 900      |
| 15c per 1000 Watts |  | 2  |   | 900      |         | 900      |
|                    |  | 4  | 2 | 900      | 660     | 1,560    |
| 15c per 1000 Watts |  | 2  |   | 1,200    |         | 1,200    |
|                    |  | 2  | 1 | 780      | 120     | 900      |
|                    |  | 25 | 8 | \$10,300 | \$2,700 | \$13,120 |

Table No. 2—Continued.

## ELECTRIC LIGHT COMPANIES—PRIVATE.

| Office Number | Cost of plant | Amount of assessment | True value of plant estimated on the basis of 5% of net income | CAPACITY OF PLANT         |                |                |                                |              |                |  |                |                |   |              |                | Power generators, voltage | Power generators, capacity of each |  |                    |                |
|---------------|---------------|----------------------|--|---------------------------|----------------|----------------|--------------------------------|--------------|----------------|--|----------------|----------------|---|--------------|----------------|---------------------------|------------------------------------|--|--------------------|----------------|
|               |               |                      |  | Arc lines, direct current |                |                | Arc lines, alternating current |              |                | Incandescent, direct current—Commercial system |                |                | Incandescent, alternating—Commercial system |              |                |                           |                                    | Incandescent, alternating—Municipal system |                    |                |
|               |               |                      |  | No. of lamps              |                | Ampere current | No. of lamps                   |              | Ampere current | No. of lamps                                   |                | Ampere current | No. of lamps                                |              | Ampere current |                           |                                    | No. of lamps                               |                    | Ampere current |
|               |               |                      |  | Candle power              | Ampere current | Candle power   | Ampere current                 | Candle power | Ampere current | Candle power                                   | Ampere current | Candle power   | Ampere current                              | Candle power | Ampere current |                           |                                    |  |                    |                |
| 64            | \$7,350       | \$2,500              | \$3,000  | 21                        | 2,000          | 10             | 5                              | 2,000        | 14             |  |                |                |   |              |                |                           |                                    | 2  | 1,000 30,000 Volts |                |
| 8             | 7,500         | 2,500                | 3,000  | 10                        | 2,000          | 10             |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
| 17            | 6,500         | Not made yet         | 6,500  | 10                        | 2,000          | 14             | 10                             | 2,000        | 14             | 200  | 16             | V 110          | 300   | 16           |                |                           |                                    |  |                    | 1,000 40 K. W. |
| 22            | 80,000        | 10,400               | 80,000   | 75                        | 2,000          | 84             |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
| 25            | 6,000         |                      | 7,000  | 28                        | 1,200          | 8              |                                |              |                | 80   | 25             | 8              |   |              |                |                           |                                    |  |                    |                |
| 36            | 25,000        | 2,800                | 38,900   | 90                        | 2,000          | 18             |                                |              |                | 550  | 16             |                |   |              |                |                           |                                    |  |                    |                |
| 47            | 1,350         | 1,350                | 3,950  |                           |                |                |                                |              |                | 300  | 16             | 150 cap of D   |   |              |                |                           |                                    |  |                    |                |
| 62            | 11,765        |                      | 8,500  | 25                        | 1,200          | 6.8            |                                |              |                | 400  | 16             |                |   |              |                |                           |                                    |  |                    |                |
| 66            | 2,800         | 1,000                | 6,900  | 25                        | 2,000          | 10             |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
| 74            | 9,250         | 3,850                | 22,800   | 25                        | 2,000          | 10             |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
| 94            | 30,000        |                      | 63,000   | 15                        |                |                |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
| 95            | 6,200         | 1,000                | 15,000   | 18                        |                |                |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
| 102           | 23,200        | 6,120                | 15,000   | 18                        | 1,200          | 6.5            |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
| 108           | 6,450         |                      | 10,800   | 30                        | 1,200          | 6.1            |                                |              |                |  |                |                |   |              |                |                           |                                    |  |                    |                |
|               | \$229,885     | \$31,530             | \$279,430  | 327                       |                |                | 15                             |              |                | 2,130  |                |                |   |              |                |                           |                                    |  |                    |                |

\* Including water or gas plant.

ELECTRIC LIGHT COMPANIES—PRIVATE.

Table No. 2—Continued.

| SELLING PRICE OF ELECTRICITY |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | SALARIES AND WAGES          |                          |            |
|------------------------------|--|---------------------|------------------------|---------------------------------|-------------------------|----------------------------------|-----------------|--------------|---|-----------------------------------|---|---------------------------|-----------------------------|--------------------------|------------|
| Office Number                | Min. month ly charge, if any, on contract system |                     | Schedule prices        |                                 |                         |                                  | Per lamp, C. P. |              | Price per ampere by meter —incandescent | Schedule price for electric power | No. of officers and employees drawing pay | No. of employees on wages | Total salaries for the year | Total wages for the year | Total      |
|                              | Arc lights                                       | Incandescent lights | Municipal — arc lights | Municipal — incandescent lights | Commercial — arc lights | Commercial — incandescent lights | Arc             | Incandescent |   |                                   |   |                           |                             |                          |            |
| 64                           | \$0.60   | \$3.00              | \$1.75                 | \$0.75                          |                         |                                  |                 |              | .01                                     |                                   |   |                           | \$1,380.00                  | \$4,000                  | \$1,380.00 |
| 8                            | .80  | 6.00                | .65                    | .65                             |                         |                                  |                 | .65          |   |                                   |   |                           |                             |                          | 640        |
| 17                           | .50  | 6.25                |                        | .50                             |                         |                                  |                 | .50          | 20c K. W. pr hour                       |                                   |   |                           |                             |                          | \$1,380.00 |
| 22                           | \$6.50   | 7.00                |                        |                                 | \$6.50                  | 8.00                             |                 |              |   |                                   |   |                           |                             |                          | \$1,380.00 |
| 25                           | 6.00   | 1.00                |                        |                                 |                         |                                  |                 | 6.00         |   |                                   |   |                           |                             |                          | 720        |
| 36                           | 4.00   | 6.00                |                        |                                 | 4.00                    | 5.50                             |                 | 4.00         |   |                                   |   |                           |                             |                          | 1,560.00   |
| 47                           | .75  |                     | 70                     |                                 | 5.50                    |                                  |                 | 2.50         |   |                                   |   |                           |                             |                          | 760        |
| 62                           | 5.00   | .50                 |                        |                                 | 5.50                    |                                  |                 |              | 18c 1,000 Watts                         |                                   |   |                           | 1,380.00                    | 380                      | 1,660.00   |
| 66                           |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 380                         | 380                      | 660.00     |
| 74                           |  | 4.00                |                        |                                 | 7.00                    |                                  |                 |              | 2c per hour                             |                                   |   |                           | 380                         | 380                      | 1,000.00   |
| 84                           | 8.00   | .80                 |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
| 94                           |  | .50                 |                        |                                 |                         |                                  |                 |              | 20c 1,000 Watts                         |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
| 102                          | 7.00   |                     | 1.25                   |                                 |                         |                                  |                 |              | .01                                     |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
| 106                          | 5.00   |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           | 1,000                       | 1,000                    | 1,660.00   |
|                              |  |                     |                        |                                 |                         |                                  |                 |              |   |                                   |   |                           |                             |                          |            |

## GAS WORKS—CORPORATIONS.

Out of 10 plants but 6 are operated exclusively in the production of gas, and the actual cost of constructing the 6 plants amounted to \$4,242,225. The assessed valuation on the same was \$949,400. The true value of same (on a basis of 5 per cent of net income) is \$4,776,572.

The assessed valuation on cost has been at the rate of 22.38 per cent, and on true value of 19.87 per cent.

The average cost of producing 1,000 feet of gas by corporations was 52½ cents; the average selling price was \$2.05 per 1,000 feet for lighting, \$1.67 for heating and \$1.39 for power.

The average cost of gas to private operators was 72½ cents per 1,000 feet and the selling price averaged \$2.15 for lighting.

One municipal gas plant makes the cost of 1,000 feet of gas \$1 and selling price \$1 per 1,000 feet.

Table No. 3.

## GAS WORKS—CORPORATIONS.

| OFFICE<br>NUMBER | Cost of Plant | Assessment on plant | True value of plant capitalized on<br>5% basis of net income | Gas per 1000 feet furnished each 24<br>hours | SELLING PRICE OF GAS   |                       |                               |           |                               |                       |                        |                       |                             |                  | SALARIES AND WAGES                           |                                   |                       |                       |                    |                    |
|------------------|---------------|---------------------|--|--|------------------------|-----------------------|-------------------------------|-----------|-------------------------------|-----------------------|------------------------|-----------------------|-----------------------------|------------------|--|-----------------------------------|-----------------------|-----------------------|--------------------|--------------------|
|                  |               |                     |  |  | Per 1000 feet lighting | Per 1000 feet heating | Per 1000 feet motive<br>power | Discount  | Number of high power<br>lamps | Retail price per lamp | Number of public lamps | Price for public lamp | Hourly consumption—<br>feet | Charge for meter | Cost of product per 1000 feet in<br>receiver | No. of officers and em-<br>ployes | No employees on wages | Salaries for the year | Wages for the year | Total for the year |
| 12               | \$40,000      | \$13,000            | \$95,000   | \$40,000                                     | \$2.00                 | \$1.50                | \$1.00                        | 5 to 20%  | 400                           | \$2.25                | 87                     | \$23.00               | 5                           | \$0.25           | \$0.37 1/2                                   | 6                                 | 4                     | \$4,826               | 83,180             | \$3,180            |
| 20               | 65,000        | 8,200               | 82,000   | 10,000                                       | 2.25                   | 2.25                  | 2.25                          | 20 to 50% | 150                           | 2.00                  | 28                     | 24.00                 | 8                           | 80.25            | 80   | 8                                 | 8                     | 1,820                 | 1,820              | 4,826              |
| 88               | 54,225        | 7,800               | 84,572   | 85,000                                       | 2.00                   | 1.50                  | 1.50                          | No        | 205                           | 2.25                  | 28                     | 24.00                 | 8                           | 80.25            | 80   | 4                                 | 8                     | 1,800                 | 1,800              | 2,220              |
| 40               | 85,000        | 28,000              | 98,605   | 15,000                                       | 2.50                   | 2.50                  | 2.50                          | 5 to 40%  | 3,500                         | 1.50                  | 1,650                  | 12.00                 | 4                           | 80.25            | 87   | 320                               | 7                     | 7                     | 3,767              | 3,767              |
| 46               | 3,750,000     | 771,350             | 4,296,000  | 4,000,000                                    | 1.00                   | 1.00                  | 1.00                          | No        | 200                           | 2.00                  | 1,650                  | 12.00                 | 4                           | 80.25            | 87   | 320                               | 280                   | 40,000                | 85,000             | 125,000            |
| 55               | 28,000        | 5,000               | 27,000   | 15,000                                       | 1.50                   | 1.50                  | 1.50                          | No        | 200                           | 2.00                  | 1,650                  | 12.00                 | 4                           | 80.25            | 87   | 320                               | 280                   | 40,000                | 85,000             | 125,000            |
| 67 1/2           | 150,000       | 6,880               | 160,000  | 100,000                                      | 2.00                   | 1.50                  | 1.50                          | No        | 200                           | 2.00                  | 1,650                  | 12.00                 | 4                           | 80.25            | 87   | 320                               | 280                   | 40,000                | 85,000             | 125,000            |
| 88               | 20,000        | 5,160               | 18,000   | 10,000                                       | 1.75                   | 1.50                  | 1.50                          | No        | 200                           | 2.00                  | 1,650                  | 12.00                 | 4                           | 80.25            | 87   | 320                               | 280                   | 40,000                | 85,000             | 125,000            |
| 84               | 350,000       | 147,000             | 882,000  | 1,186,000                                    | 1.00                   | 1.00                  | 1.00                          | No        | 200                           | 2.00                  | 1,650                  | 12.00                 | 4                           | 80.25            | 87   | 320                               | 280                   | 40,000                | 85,000             | 125,000            |
| 97               | 84,000        | 7,850               | 48,000   | 7,000  | 2.50                   | 2.50                  | 2.50                          | 50%       | 200                           | 2.00                  | 1,650                  | 12.00                 | 4                           | 80.25            | 87   | 320                               | 280                   | 40,000                | 85,000             | 125,000            |
|                  | \$4,576,225   | \$997,810           | \$5,138,077  | \$5,418,000                                  | \$2.05                 | \$1.67                | \$1.38                        | .....     | 4,455                         | .....                 | 1,799                  | \$23.80               | 4                           | \$0.25           | \$0.52 1/2                                   | 416                               | 332                   | \$80,255              | \$117,427          | \$177,682          |

## GAS WORKS—PRIVATE.

|    |          |          |           |          |        |        |        |           |     |        |     |         |       |     |            |    |    |       |         |         |
|----|----------|----------|-----------|----------|--------|--------|--------|-----------|-----|--------|-----|---------|-------|-----|------------|----|----|-------|---------|---------|
| 11 | \$ 7,400 | \$ 8,000 | \$14,240  | \$10,500 | \$1.50 | ...    | ...    | No        | ... | ...    | ... | ...     | 6     | ... | \$0.77     | 3  | 3  | ...   | \$2,000 | \$2,000 |
| 22 | 80,000   | 10,400   | 80,000    | 20,000   | 2.25   | \$1.50 | ...    | No        | 305 | ...    | 2   | \$30.00 | 5     | ... | ...        | 6  | 6  | ...   | 3,300   | 3,300   |
| 52 | 6,628    | 8,700    | 10,000    | 9,000    | 2.50   | 2.50   | \$2.50 | 10 to 40% | 62  | \$2.50 | ... | ...     | 5     | ... | 1.00       | 2  | 1  | \$800 | 180     | 780     |
|    | \$64,028 | \$17,100 | \$104,240 | \$39,500 | \$2.15 | \$2.00 | \$2.50 | .....     | 367 | \$2.50 | 2   | \$30.00 | 5 1/2 | ... | \$0.72 1/2 | 11 | 10 | \$340 | \$5,480 | \$6,080 |

\*Gas and Electric Plants data furnished would not permit separation of accounts further than above.





## WATER WORKS—CORPORATIONS.

Out of 20 water works plants reported 5 include the production of light. The 15 plants devoted exclusively to water show as follows:

|  |             |
|--|-------------|
| Total cost of 15 plants .....  | \$1,268,405 |
| Total assessed value of 15 plants .....                                  | 268,435     |
| Total true value (capitalized on basis of 5 per cent of net income)..... | 1,538,592   |

The assessment is at the rate of 20.87 per cent of cost and at rate of 18 per cent of true value.

The cost of production shows an average of 4.91 cents per 1,000 gallons delivered in reservoir. The average cost of delivering 1,000 gallons in the reservoir is too large as shown above, for the reason that, instead of showing actual cost of such delivery, at least half of the companies figure in the cost every dollar paid in salaries and the interest paid on bonds and stocks.

The data furnished will not admit of even an approximate estimate of the average selling price of water, although the table will show rates for specified service and meter price per 1,000 gallons from all but one company.

## MUNICIPAL.

Reports from municipalities are 8 in number, 3 of which combine the product of light and water and 2 are incomplete, not having operated one year.

The average cost of delivering water in the reservoir was 3.83 cents per 1,000 gallons.

## PRIVATE FIRMS.

There were but 4 plants reported, 1 of which furnished both light and water.

The remaining plants cost, in the aggregate, \$215,000. The total true value of the same (based on 5 per cent of the net income), \$395,800. The 2 plants furnishing complete data cost \$185,000, and were assessed at \$36,300, with an estimated true value of \$305,000. The cost of product per 1,000 gallons delivered in reservoir averages 1.90 cents.

Table No. 4.

## WATER WORKS—CORPORATIONS.

| Office Number | Cost of plant | Amount of assessment on plant | Estimated true value, net income capitalized on a 5% basis | CAPACITY OF PLANT                        |  |   | Cost of product—per 100 gallons of water in reservoir | Number of officers and employees on salaries | Number of employees on wages. | SALARIES AND WAGES                    |                                       |                              |
|---------------|---------------|-------------------------------|--|--|--|---|---|--|-------------------------------|---------------------------------------|---------------------------------------|------------------------------|
|               |               |                               |  | Gallons of water delivered each 24 hours | Storage capacity of reservoirs—gallons | Storage capacity of stand pipes—gallons |   |  |                               | Amount paid for salaries for the year | Amount paid for wages during the year | Total for salaries and wages |
| 22            | \$ 78,000     | \$20,100                      | \$ 85,000  | 275,000                                  | 1,000,000                              | 250,000                                 | .....   | .....  | .....                         | \$1,080                               | .....                                 | \$1,080                      |
| 17            | 80,000        | 40,000                        | 70,000   | 100,000                                  | 1,000,000                              | 115,000                                 | .....   | .....  | .....                         | 1,200                                 | .....                                 | 1,200                        |
| 15            | 105,000       | 21,800                        | 100,000  | 600,000                                  | River                                  | 250,000                                 | .....   | .....  | .....                         | 1,800                                 | .....                                 | 1,800                        |
| 16            | 50,000        | 5,850                         | 48,000   | 250,344                                  | 48,000                                 | 93,400                                  | .....   | .....  | .....                         | 1,620                                 | 2,780                                 | 4,400                        |
| 23            | 93,000        | 20,000                        | 97,173   | 250,700                                  | 3,000,000                              | 65,000                                  | .....   | .....  | .....                         | 2,080                                 | 2,720                                 | 4,800                        |
| 24            | 29,795        | 34,650                        | 46,280   | 271,520                                  | 1,500,000                              | Direct                                  | .....   | .....  | .....                         | 1,590                                 | 3,324                                 | 4,914                        |
| 34            | 58,400        | 12,277                        | 76,500   | 600,000                                  | 8,000,000                              | 115,000                                 | .....   | .....  | .....                         | 1,590                                 | 100                                   | 1,690                        |
| 37            | 65,800        | 18,535                        | 97,800   | 208,358                                  | 1,500,000                              | 250,000                                 | .....   | .....  | .....                         | 1,320                                 | 1,680                                 | 3,000                        |
| 39            | 100,000       | 16,050                        | 138,750  | 450,000                                  | River                                  | 300,000                                 | .....   | .....  | .....                         | 2,800                                 | 400                                   | 3,200                        |
| 42            | 120,000       | 29,650                        | 163,999  | 1,000,000                                | 2,000,000                              | .....                                   | .....   | .....  | .....                         | 4,590                                 | 300                                   | 4,890                        |
| 49            | 88,805        | 18,230                        | 99,980   | 177,768                                  | 1,500,000                              | 350,000                                 | .....   | .....  | .....                         | 1,740                                 | 480                                   | 2,220                        |
| 57            | 75,000        | 5,000                         | 87,000   | 300,000                                  | .....                                  | .....                                   | .....   | .....  | .....                         | 1,200                                 | 1,200                                 | 2,400                        |
| 60            | 50,000        | 15,093                        | 62,000   | 150,000                                  | 20,500,000                             | 150,000                                 | .....   | .....  | .....                         | 1,599                                 | 838                                   | 2,437                        |
| 68            | 200,000       | 20,000                        | 250,000  | 750,000                                  | 50,000                                 | .....                                   | .....   | .....  | .....                         | 1,800                                 | 700                                   | 2,500                        |
| 69            | 25,000        | 8,200                         | 40,000   | 578,000                                  | 350,000                                | Gravity                                 | .....   | .....  | .....                         | 500                                   | 300                                   | 800                          |
| 73            | 51,735        | 20,275                        | 40,000   | 100,000                                  | 200,000                                | 100,000                                 | .....   | .....  | .....                         | 2,100                                 | .....                                 | 2,100                        |
| 78            | 150,000       | 25,000                        | 75,000   | 250,000                                  | 300,000                                | Direct                                  | .....   | .....  | .....                         | 3,816                                 | .....                                 | 3,816                        |
| 96†           | 51,000        | 31,000                        | 54,150   | 150,000                                  | 50,000,000                             | 120,000                                 | .....   | .....  | .....                         | 1,200                                 | 1,200                                 | 2,400                        |
| 101           | 64,400        | 7,500                         | 20,100   | 87,000                                   | 870,000                                | 115,000                                 | .....   | .....  | .....                         | 1,600                                 | 400                                   | 2,000                        |
| 108           | 112,000       | 15,000                        | 150,000  | 450,000                                  | River                                  | 125,000                                 | .....   | .....  | .....                         | 7,150                                 | .....                                 | 7,150                        |
|               | \$1,647,935   | \$304,210                     | \$1,771,592  | 6,994,690                                | 91,818,000                             | 2,408,400                               | .04 .91   | 83   | 83                            | \$36,855                              | \$15,940                              | \$52,795                     |

† .07½ covers all expenses including interest on \$112,000 (bonds).

## MUNICIPALITIES.

|     |                    |                  |         |         |         |         |       |       |         |         |         |
|-----|--------------------|------------------|---------|---------|---------|---------|-------|-------|---------|---------|---------|
| 30  | \$28,800           | \$45,000         | 144,000 | 132,000 | 99,000  | .07     | 2     | 1     | \$1,800 | \$300   | \$2,100 |
| 31  | 11,825             | 24,000           | 50,000  | .....   | 30,000  | .04     | 1     | ..... | 420     | .....   | 420     |
| 33  | 17,750             | 37,000           | 28,000  | 100,000 | .....   | .04     | 3     | ..... | 1,560   | .....   | 1,560   |
| 61  | 14,000             | 30,000           | 500,000 | Wells   | 67,000  | .04     | ..... | ..... | .....   | .....   | 600     |
| 67  | Plant not complete | d                | .....   | .....   | .....   | .....   | ..... | ..... | .....   | .....   | .....   |
| 75  | 19,450             | 25,000           | 27,000  | .....   | 42,000  | .....   | 2     | 2     | .....   | 960     | 960     |
| 77  | 11,000             | Not one year old | 40,000  | .....   | Direct  | .....   | 1     | 1     | .....   | 600     | 600     |
| 96  | 17,000             | 18,000           | 40,000  | .....   | .....   | .....   | ..... | ..... | .....   | .....   | .....   |
| 107 | 60,000             | Not one year old | .....   | .....   | .....   | .....   | ..... | ..... | .....   | .....   | .....   |
|     | \$179,825          | \$199,000        | 789,000 | 232,000 | 238,000 | .03 .83 | 9     | 4     | \$3,780 | \$1,860 | \$5,640 |

## PRIVATE PARTIES.

|     |           |          |           |           |           |         |         |    |    |         |         |          |
|-----|-----------|----------|-----------|-----------|-----------|---------|---------|----|----|---------|---------|----------|
| 19  | \$75,000  | \$14,300 | \$130,000 | 1,000,000 | 2,000,000 | 118,000 | .03     | 4  | 3  | \$1,200 | \$1,680 | \$2,880  |
| 82† | 110,000   | 22,000   | 175,000   | 680,000   | 1,200,000 | 250,000 | .008    | 10 | 5  | 2,500   | 2,850   | 5,350    |
| 96† | 30,000    | .....    | 80,000    | 200,000   | 120,000   | 50,000  | .....   | 4  | 1  | 1,500   | 300     | 1,800    |
| 108 | 6,450     | .....    | 10,800    | 20,000    | 80,000    | .....   | .....   | 2  | 1  | 300     | 300     | 600      |
|     | \$221,450 | \$36,300 | \$305,800 | 1,900,000 | 3,400,000 | 418,000 | .01 .90 | 20 | 10 | \$5,500 | \$5,130 | \$10,630 |

Table No. 4—Cont.

## WATER WORKS—CORPORATIONS.

| SELLING PRICE OF WATER  |                                       |                 |
|---|---------------------------------------|-----------------|
| Rates for specified service   | Price by<br>meter per 1000<br>gallons |                 |
| \$6.00 minimum charge; residences, \$15.00; max. business, \$12.00 to \$15.00.            | From 15c to 25c                       |                 |
| Offices \$4.00; res., 4 rooms \$6.00, each add. room, \$1.00; bus. \$8.00 to \$20.00.     | 25c to 60c                            | Light and water |
| Offices \$4.00; res., 4 rooms \$6.00, each add. room, \$1.00; bus. \$8.00 to \$20.00.     | 20c to 25c                            |                 |
| Stores \$10.00 to \$15.00; res., \$5.00 to \$30.00; offices, \$5.00; restanr'ts, \$10.00. | 8c to 38c                             | Light and water |
| Residences \$6.00, \$1.00 each add. above 4 rooms; business, \$7.00 to \$13.00.           | 20c to 50c                            |                 |
| From city; fire plugs; \$4.00 per annum.  | 30c                                   | Light and water |
| Residences \$6.00, and \$1.00 additional; others \$10.00 to \$15.00.                      | 15c to 40c                            |                 |
| Business \$7.00 to \$20.00; residences \$6.00, and \$1.00 extra per room.                 | 10c to 35c                            |                 |
| Residences, \$1.00 per room; closets, \$5.00; business, \$5.00 to \$10.00.                | 10c to 40c                            |                 |
| Ordinance prices.   | 20c to 25c                            |                 |
| By meter.   | Minimum 20c                           |                 |
| 1c per bbl.   | From 10c to 35c                       |                 |
| \$6.00 4 rooms; bath \$2.00; closets, \$2.00; stores \$6.00.                              | 25c to 40c                            |                 |
| \$1.00 per room.  | 25c                                   |                 |
| \$5.00 per year, domestic.  | 20c                                   |                 |
| \$4.50 for hydrants per year.   | 8c to 50c                             |                 |
| \$6.00 and \$1.00 additional 4 room house.  | 12c to 35c                            |                 |
| \$8.50 contract rate.   | 12c to 30c                            |                 |
| \$6.00 and \$1.00 additional 4 room house; bath \$5.00.                                   | 20c to 40c                            |                 |

## MUNICIPALITIES.

|   |               |                |
|---|---------------|----------------|
| .....   | 10c to \$1.00 |                |
| .....   | 40c           |                |
| 8 room house \$6.00, additional rooms 75c; business, \$5.00 to \$12.00. | 15c to 35c    | Pumping expen. |
| Average \$10.00 per year.   |               |                |
| 5 rooms \$5.00.   | 10c to 40c    |                |
| .....   |               |                |

## PRIVATE PARTIES.

|   |            |  |
|---|------------|--|
| .....   | 8c to 50c  |  |
| .....   | 10c to 40c |  |
| Residences 50c per room; business \$6.00 to \$10.00 | 35c        |  |
| .....   | 80c        |  |

**SALARY AND WAGE SCHEDULE OF 14 OF THE PROMINENT RAILROADS OPERATING DEPARTMENTS, NUMBER OF DAYS WORKED, YEARLY COMPENSATION, AVERAGE DAILY COMPENSATION OF EACH.**

| Office Number | GENERAL OFFICERS |                             |                           |                            | GENERAL OFFICE CLERKS |                             |                           |                            | STATION AGENTS |                             |                           |                            |
|---------------|------------------|-----------------------------|---------------------------|----------------------------|-----------------------|-----------------------------|---------------------------|----------------------------|----------------|-----------------------------|---------------------------|----------------------------|
|               | Number           | Total number of days worked | Total yearly compensation | Average daily compensation | Number                | Total number of days worked | Total yearly compensation | Average daily compensation | Number         | Total number of days worked | Total yearly compensation | Average daily compensation |
| 1....         | 5                | 1,825                       | \$ 5,713.00               | \$3.13                     | 11                    | 3,918                       | \$ 5,006.96               | \$1.28                     | 29             | 10,220                      | \$14,421.14               | \$1.41                     |
| 2....         | 7                | 2,191                       | 11,899.92                 | 5.45                       | 8                     | 2,608                       | 3,337.64                  | 1.28                       | 19             | 6,406                       | 5,772.38                  | 4.90                       |
| 3....         | 3                | 834                         | 2,996.61                  | 3.59                       | 15                    | 4,665                       | 12,860.04                 | 2.74                       | 25             | 9,720                       | 3,099.96                  | 4.30                       |
| 4....         | 15               | 6,045                       | 23,650.24                 | 14.47                      | 132                   | 49,240                      | 115,815.48                | 2.35                       | 25             | 9,378                       | 11,071.29                 | 1.12                       |
| 5....         | 9                | 3,240                       | 28,053.36                 | 8.66                       | 122                   | 22,320                      | 44,844.48                 | 1.99                       | 83             | 22,728                      | 40,148.04                 | 1.75                       |
| 6....         | 11               | 4,015                       | 33,899.92                 | 20.90                      | 140                   | 49,763                      | 106,493.64                | 2.14                       | 83             | 30,222                      | 45,787.00                 | 1.52                       |
| 7....         | 8                | 2,582                       | 37,799.99                 | 14.64                      | 66                    | 20,736                      | 54,566.92                 | 2.63                       | 93             | 29,106                      | 51,753.48                 | 1.77                       |
| 8....         | 17               | 6,887                       | 47,460.00                 | 7.43                       | 107                   | 38,760                      | 103,008.50                | 2.63                       | 34             | 12,240                      | 31,241.06                 | 2.55                       |
| 9....         | 31               | 1,168                       | 17,873.33                 | 15.30                      | 179                   | 65,550                      | 192,632.91                | 2.93                       | 125            | 45,296                      | 64,718.12                 | 1.43                       |
| 10....        | 3                | 1,270                       | 96,282.00                 | 8.34                       | 43                    | 14,448                      | 24,066.64                 | 1.71                       | 43             | 14,448                      | 24,066.64                 | 1.71                       |
| 11....        | 2                | 626                         | 5,100.00                  | 8.15                       | 44                    | 16,060                      | 21,480.00                 | 1.34                       | 44             | 16,060                      | 21,480.00                 | 1.34                       |
| 12....        |                  |                             |                           |                            | 31                    | 9,703                       | 20,840.04                 | 2.15                       | 17             | 6,703                       | 8,640.00                  | 1.36                       |
| 13....        |                  |                             |                           |                            | 17                    | 6,205                       | 8,640.00                  | 1.36                       | 42             | 13,146                      | 21,821.16                 | 1.66                       |
| 14....        | 18               | 6,480                       | 54,301.68                 | 8.38                       | 110                   | 39,000                      | 79,671.96                 | 2.01                       | 127            | 46,440                      | 90,558.80                 | 1.86                       |
|               | 137              | 49,806                      | \$452,371.33              | \$9.08                     | 890                   | 297,210                     | \$717,767.53              | \$2.41                     | 747            | 259,184                     | \$434,328.95              | \$1.67                     |

| CONDUCTORS |     |         |              | OTHER TRAINMEN |       |         |              | MACHINISTS |     |         |              |        |
|------------|-----|---------|--------------|----------------|-------|---------|--------------|------------|-----|---------|--------------|--------|
| 1....      | 9   | 2,677   | \$ 8,170.97  | \$3.06         | 21    | 5,145   | \$8,416.58   | \$1.64     | 19  | 4,694   | \$9,768.25   | \$2.06 |
| 2....      | 8   | 2,369   | 4,960.83     | 2.08           | 10    | 2,935   | 3,873.77     | 1.32       | 7   | 1,607   | 2,851.55     | 1.77   |
| 3....      | 11  | 4,015   | 8,700.00     | 2.16           | 50    | 18,000  | 33,600.00    | 1.87       | 27  | 9,450   | 21,180.00    | 2.24   |
| 4....      | 16  | 5,098   | 13,133.32    | 3.08           | 98    | 11,670  | 23,186.01    | 1.99       | 16  | 6,168   | 17,902.90    | 2.90   |
| 5....      | 91  | 23,556  | 72,831.72    | 8.07           | 232   | 58,476  | 119,384.00   | 2.04       | 68  | 18,684  | 49,458.00    | 2.65   |
| 6....      | 51  | 18,966  | 63,068.96    | 3.22           | 113   | 41,194  | 79,062.72    | 1.92       | 85  | 17,989  | 37,763.58    | 2.10   |
| 7....      | 60  | 18,780  | 65,842.49    | 3.50           | 121   | 37,716  | 80,487.57    | 2.73       | 98  | 30,674  | 59,473.92    | 1.94   |
| 8....      | 49  | 17,640  | 54,559.41    | 3.09           | 106   | 33,366  | 68,969.95    | 2.07       | 26  | 8,075   | 24,877.18    | 3.08   |
| 9....      | 76  | 27,695  | 87,997.72    | 3.17           | 147   | 53,640  | 107,936.27   | 2.01       | 56  | 17,538  | 42,241.65    | 2.41   |
| 10....     | 41  | 13,236  | 42,954.72    | 3.25           | 86    | 24,372  | 48,857.88    | 2.00       | 4   | 1,020   | 2,221.40     | 2.19   |
| 11....     | 34  | 12,410  | 33,785.16    | 2.72           | 70    | 25,550  | 40,490.20    | 1.58       | 7   | 2,191   | 4,331.04     | 1.97   |
| 12....     | 32  | 10,016  | 37,925.64    | 3.78           | 56    | 17,528  | 39,871.56    | 2.27       | 42  | 13,146  | 21,821.16    | 1.66   |
| 13....     |     |         |              |                |       |         |              |            |     |         |              |        |
| 14....     | 157 | 38,148  | 119,742.24   | 3.14           | 419   | 101,172 | 198,973.80   | 1.97       | 138 | 36,276  | 96,636.00    | 2.66   |
|            | 635 | 194,666 | \$613,562.67 | \$3.15         | 1,467 | 430,764 | \$853,170.31 | \$1.98     | 593 | 167,512 | \$390,540.11 | \$2.33 |

| OTHER TRACKMEN |       |           |                 | SWITCHMEN, FLAGMEN<br>AND WATCHMEN |       |         |              | TELEGRAPH OPERATORS<br>AND DISPATCHERS |     |         |              |        |
|----------------|-------|-----------|-----------------|------------------------------------|-------|---------|--------------|--|-----|---------|--------------|--------|
| 1....          | 96    | 20,287    | \$22,997.45     | \$1.13                             | 10    | 2,165   | \$4,320.90   | \$2.00                                 | 16  | 5,407   | \$6,832.21   | \$1.26 |
| 2....          | 202   | 36,324    | 41,639.20       | 1.13                               | 2     | 408     | 671.61       | 1.45                                   | 3   | 790     | 897.91       | 1.14   |
| 3....          | 80    | 28,000    | 34,980.00       | 1.25                               | 160   | 57,600  | 110,700.00   | 1.92                                   | 36  | 12,900  | 29,400.00    | 2.27   |
| 4....          | 101   | 37,731    | 44,008.44       | 1.18                               | 13    | 5,056   | 10,428.63    | 2.06                                   | 9   | 3,307   | 7,448.66     | 2.26   |
| 5....          | 453   | 104,184   | 117,544.20      | 1.13                               | 141   | 33,252  | 66,245.40    | 1.99                                   | 49  | 13,044  | 33,980.04    | 2.54   |
| 6....          | 281   | 87,729    | 96,501.91       | 1.10                               | 31    | 11,425  | 26,848.32    | 2.35                                   | 39  | 14,666  | 27,868.95    | 1.90   |
| 7....          | 256   | 80,128    | 93,311.55       | 1.16                               | 119   | 37,247  | 75,494.92    | 2.03                                   | 64  | 19,954  | 39,356.02    | 1.97   |
| 8....          | 303   | 94,776    | 119,796.35      | 1.26                               | 49    | 17,568  | 42,112.42    | 2.30                                   | 50  | 18,072  | 37,321.67    | 2.06   |
| 9....          | 375   | 117,439   | 138,020.63      | 1.17                               | 119   | 43,172  | 97,653.81    | 2.26                                   | 42  | 15,055  | 32,449.95    | 2.15   |
| 10....         | 502   | 109,512   | 136,892.64      | 1.25                               | 41    | 9,996   | 29,958.96    | 3.00                                   | 10  | 2,680   | 6,696.00     | 2.12   |
| 11....         | 194   | 60,722    | 79,503.96       | 1.31                               | 33    | 12,045  | 20,196.96    | 1.68                                   | 18  | 6,570   | 8,460.00     | 1.29   |
| 12....         | 194   | 60,722    | 79,458.72       | 1.31                               | 19    | 5,947   | 15,726.36    | 2.64                                   | 20  | 6,290   | 16,855.68    | 2.69   |
| 13....         | 44    | 13,772    | 11,250.00       | .82                                |       |         |              |  | 4   | 1,490   | 1,044.00     | .72    |
| 14....         | 644   | 170,016   | 192,478.20      | 1.13                               | 232   | 84,156  | 166,470.60   | 1.98                                   | 121 | 37,128  | 84,518.16    | 2.28   |
|                | 3,725 | 1,021,342 | \$ 1,208,383.34 | \$1.18                             | 1,020 | 320,097 | \$666,828.95 | \$2.08                                 | 481 | 157,913 | \$352,529.25 | \$2.17 |

IN MISSOURI. SHOWING THE NUMBER OF PERSONS EMPLOYED IN THIS STATE, IN THE VARIOUS COMPENSATION, AVERAGE NUMBER OF DAYS WORKED BY EACH EMPLOYEE AND THE AVERAGE YEARLY

| OTHER STATION MEN |                             |                           |                            | ENGINEMEN |                             |                           |                            | FIREMEN |                             |                           |                            |
|-------------------|-----------------------------|---------------------------|----------------------------|-----------|-----------------------------|---------------------------|----------------------------|---------|-----------------------------|---------------------------|----------------------------|
| Number            | Total number of days worked | Total yearly compensation | Average daily compensation | Number    | Total number of days worked | Total yearly compensation | Average daily compensation | Number  | Total number of days worked | Total yearly compensation | Average daily compensation |
| 25                | 7,506                       | \$10,613.22               | \$1.41                     | 13        | 4,515                       | \$14,556.01               | \$3.22                     | 14      | 4,557                       | \$ 8,547.51               | \$1.88                     |
| 6                 | 1,490                       | 1,821.53                  | 1.22                       | 10        | 2,736                       | 6,811.69                  | 2.49                       | 12      | 2,978                       | 4,112.30                  | 1.38                       |
| 221               | 79,560                      | 112,983.96                | 1.42                       | 48        | 12,258                      | 47,808.00                 | 3.90                       | 48      | 12,066                      | 26,544.00                 | 2.20                       |
| 15                | 5,832                       | 9,369.33                  | 1.65                       | 18        | 6,836                       | 25,206.39                 | 3.69                       | 19      | 7,093                       | 14,662.83                 | 2.07                       |
| 206               | 66,948                      | 112,912.20                | 1.69                       | 94        | 31,356                      | 114,946.80                | 3.67                       | 100     | 31,820                      | 69,424.20                 | 2.22                       |
| 110               | 40,407                      | 50,913.25                 | 1.26                       | 75        | 24,689                      | 98,695.40                 | 4.00                       | 80      | 24,687                      | 55,999.36                 | 2.27                       |
| 189               | 59,157                      | 96,355.01                 | 1.63                       | 92        | 28,796                      | 111,152.29                | 3.86                       | 92      | 28,718                      | 64,450.62                 | 2.24                       |
| 78                | 28,080                      | 49,286.96                 | 1.76                       | 56        | 20,088                      | 80,447.98                 | 4.00                       | 55      | 19,875                      | 48,729.17                 | 2.45                       |
| 170               | 62,152                      | 90,509.06                 | 1.45                       | 108       | 39,043                      | 146,986.85                | 3.76                       | 112     | 40,715                      | 88,153.92                 | 2.16                       |
| 193               | 57,504                      | 87,693.14                 | 1.52                       | 29        | 6,984                       | 28,298.64                 | 4.05                       | 32      | 6,804                       | 16,201.80                 | 2.38                       |
| 120               | 37,560                      | 51,878.96                 | 1.37                       | 48        | 13,446                      | 62,706.95                 | 4.66                       | 50      | 13,408                      | 35,880.26                 | 2.67                       |
| 40                | 12,520                      | 19,811.32                 | 1.55                       | 43        | 13,459                      | 53,728.56                 | 3.99                       | 41      | 12,833                      | 32,905.20                 | 2.56                       |
| 7                 | 2,191                       | 2,952.00                  | 1.36                       | 1         | 365                         | 1,272.00                  | 3.48                       | 1       | 365                         | 780.00                    | 2.14                       |
| 418               | 136,920                     | 225,066.00                | 1.64                       | 230       | 62,832                      | 224,316.00                | 3.57                       | 256     | 62,676                      | 134,155.20                | 2.14                       |
| 1,797             | 597,677                     | \$921,215.94              | \$1.54                     | 865       | 267,406                     | \$1,016,933.56            | \$3.80                     | 912     | 268,095                     | \$600,546.37              | \$2.24                     |

| CARPENTERS |                             |                           |                            | OTHER SHOPMEN |                             |                           |                            | SECTION FOREMEN |                             |                           |                            |
|------------|-----------------------------|---------------------------|----------------------------|---------------|-----------------------------|---------------------------|----------------------------|-----------------|-----------------------------|---------------------------|----------------------------|
| Number     | Total number of days worked | Total yearly compensation | Average daily compensation | Number        | Total number of days worked | Total yearly compensation | Average daily compensation | Number          | Total number of days worked | Total yearly compensation | Average daily compensation |
| 18         | 4,450                       | \$7,867.25                | \$1.77                     | 62            | 16,974                      | \$26,444.45               | \$1.56                     | 27              | 8,998                       | \$13,673.70               | \$1.52                     |
| 28         | 5,415                       | 10,158.78                 | 1.88                       | 12            | 3,312                       | 4,113.35                  | 1.24                       | 24              | 7,781                       | 11,025.15                 | 1.42                       |
| 29         | 10,150                      | 19,812.00                 | 1.95                       | 77            | 26,950                      | 47,580.00                 | 1.78                       | 7               | 2,450                       | 6,300.00                  | 2.57                       |
| 39         | 14,492                      | 31,565.57                 | 2.18                       | 29            | 10,896                      | 20,062.59                 | 1.84                       | 21              | 7,880                       | 12,473.95                 | 1.65                       |
| 96         | 25,362                      | 55,184.00                 | 2.17                       | 347           | 98,976                      | 177,189.00                | 1.79                       | 87              | 28,872                      | 49,477.80                 | 1.71                       |
| 55         | 14,824                      | 32,317.13                 | 2.18                       | 186           | 42,937                      | 87,686.86                 | 1.72                       | 84              | 30,529                      | 45,873.42                 | 1.50                       |
| 63         | 19,797                      | 44,947.65                 | 2.24                       | 270           | 84,667                      | 146,156.03                | 1.73                       | 82              | 25,588                      | 45,681.25                 | 1.78                       |
| 63         | 19,564                      | 50,818.97                 | 2.57                       | 157           | 49,266                      | 100,433.84                | 2.03                       | 99              | 24,840                      | 46,967.05                 | 1.89                       |
| 132        | 41,675                      | 95,526.57                 | 2.29                       | 73            | 22,800                      | 48,653.69                 | 2.16                       | 124             | 41,411                      | 64,680.19                 | 1.56                       |
| 13         | 4,069                       | 9,831.00                  | 2.42                       | 53            | 17,208                      | 30,980.40                 | 1.80                       | 50              | 18,000                      | 27,108.00                 | 1.51                       |
| 21         | 6,573                       | 13,328.40                 | 2.03                       | 105           | 32,865                      | 56,401.92                 | 1.72                       | 37              | 11,581                      | 20,700.00                 | 1.79                       |
| 7          | 2,191                       | 3,720.00                  | 1.70                       | 10            | 3,130                       | 5,796.00                  | 1.85                       | 21              | 7,665                       | 10,200.00                 | 1.33                       |
| 228        | 61,662                      | 141,266.40                | 2.31                       | 732           | 173,820                     | 327,962.64                | 1.88                       | 151             | 55,056                      | 82,149.60                 | 1.49                       |
| 792        | 229,654                     | \$515,194.32              | \$2.24                     | 2,134         | 580,376                     | \$1,091,400.85            | \$1.84                     | 835             | 286,574                     | \$464,550.11              | \$1.62                     |

| EMPLOYEES—ACCOUNT FLOATING EQUIPMENT |                             |                           |                            | ALL OTHER EMPLOYEES AND LABORERS |                             |                           |                            | GRAND TOTAL |                             |                           |                            |
|--------------------------------------|-----------------------------|---------------------------|----------------------------|----------------------------------|-----------------------------|---------------------------|----------------------------|-------------|-----------------------------|---------------------------|----------------------------|
| Number                               | Total number of days worked | Total yearly compensation | Average daily compensation | Number                           | Total number of days worked | Total yearly compensation | Average daily compensation | Number      | Total number of days worked | Total yearly compensation | Average daily compensation |
| 8                                    | 1,555                       | \$1,733.95                | \$1.12                     | 390                              | 107,084                     | \$180,983.47              | \$1.69                     | 398         | 108,639                     | \$182,717.42              | \$1.73                     |
| 13                                   | 1,826                       | 1,605.13                  | .93                        | 363                              | 79,891                      | 106,174.02                | 1.33                       | 363         | 79,891                      | 106,174.02                | 1.33                       |
| 327                                  | 114,450                     | 199,812.00                | 1.75                       | 1,143                            | 394,889                     | 738,010.20                | 1.87                       | 1,143       | 394,889                     | 738,010.20                | 1.87                       |
| 83                                   | 30,835                      | 42,753.54                 | 1.39                       | 588                              | 217,409                     | 431,960.11                | 1.96                       | 588         | 217,409                     | 431,960.11                | 1.96                       |
| 55                                   | 12,408                      | \$26,696.40               | \$2.15                     | 413                              | 126,144                     | 201,169.32                | 1.59                       | 2,577       | 721,280                     | 1,378,939.56              | 1.91                       |
| 167                                  | 55,862                      | 122,208.38                | 2.19                       | 1,591                            | 509,941                     | 1,061,108.85              | 2.08                       | 1,591       | 509,941                     | 1,061,108.85              | 2.08                       |
| 142                                  | 44,524                      | 112,729.15                | 2.53                       | 1,815                            | 568,173                     | 1,178,729.86              | 2.07                       | 1,815       | 568,173                     | 1,178,729.86              | 2.07                       |
| 88                                   | 27,481                      | 59,170.48                 | 2.15                       | 1,310                            | 437,776                     | 982,584.30                | 2.18                       | 1,310       | 437,776                     | 982,584.30                | 2.18                       |
| 444                                  | 149,745                     | 258,215.05                | 1.72                       | 2,313                            | 794,396                     | 1,652,618.39              | 2.08                       | 2,313       | 794,396                     | 1,652,618.39              | 2.08                       |
| 93                                   | 30,880                      | 41,077.32                 | 1.97                       | 1,180                            | 393,924                     | 533,226.54                | 1.75                       | 1,180       | 393,924                     | 533,226.54                | 1.75                       |
| 19                                   | 5,947                       | 17,568.69                 | 2.95                       | 724                              | 233,140                     | 431,531.26                | 1.85                       | 724         | 233,140                     | 431,531.26                | 1.85                       |
| 46                                   | 14,398                      | 40,719.72                 | 2.83                       | 727                              | 227,551                     | 469,664.28                | 2.06                       | 727         | 227,551                     | 469,664.28                | 2.06                       |
|                                      |                             |                           |                            | 112                              | 37,344                      | 45,654.00                 | 1.22                       | 112         | 37,344                      | 45,654.00                 | 1.22                       |
|                                      |                             |                           |                            | 637                              | 195,768                     | 323,147.16                | 1.65                       | 4,678       | 1,307,520                   | 2,540,918.04              | 1.94                       |
| 55                                   | 12,408                      | \$26,696.40               | \$2.15                     | 2,480                            | 789,415                     | \$1,422,089.89            | \$1.80                     | 19,511      | 5,940,298                   | \$11,732,102.88           | \$1.97                     |

## SALARY AND WAGE SCHEDULE, ETC.—Cont.

| Office Number | TOTAL, LESS GENERAL OFFICERS |                             |                           |                            | RECAPITULATION                            |                             |                               |                                   |
|---------------|------------------------------|-----------------------------|---------------------------|----------------------------|---|-----------------------------|-------------------------------|-----------------------------------|
|               | Number                       | Total number of days worked | Total yearly compensation | Average daily compensation | DISTRIBUTION                              | Average number of employees | Average number of days worked | Average compensation for the year |
| 1.....        | 378                          | 103,068                     | \$163,370.55              | \$1.58                     | General Officers.....                     | 137                         | 363                           | \$3,301.98                        |
| 2.....        | 390                          | 79,057                      | 103,177.41                | 1.30                       | General Office Clerks.....                | 830                         | 358                           | 864.78                            |
| 3.....        | 1,138                        | 393,324                     | 715,359.96                | 1.81                       | Station Agents.....                       | 747                         | 346                           | 581.42                            |
| 4.....        | 572                          | 211,364                     | 403,778.83                | 1.91                       | Other Station Men.....                    | 1,797                       | 332                           | 512.64                            |
| 5.....        | 2,508                        | 718,020                     | 1,350,886.30              | 1.88                       | Engine Men.....                           | 865                         | 309                           | 1,175.64                          |
| 6.....        | 1,580                        | 505,926                     | 977,308.93                | 1.93                       | Firemen.....                              | 812                         | 304                           | 655.49                            |
| 7.....        | 1,807                        | 565,591                     | 1,140,929.87              | 2.21                       | Conductors.....                           | 635                         | 306                           | 966.21                            |
| 8.....        | 1,290                        | 429,721                     | 917,250.97                | 2.13                       | Other Trainmen.....                       | 1,467                       | 293                           | 581.57                            |
| 9.....        | 2,282                        | 783,126                     | 1,556,356.39              | 1.98                       | Machinists.....                           | 593                         | 282                           | 658.58                            |
| 10.....       | 1,177                        | 302,844                     | 535,046.54                | 1.72                       | Carpenters.....                           | 792                         | 290                           | 650.49                            |
| 11.....       | 722                          | 232,514                     | 426,431.26                | 1.83                       | Other Shopmen.....                        | 2,134                       | 278                           | 511.43                            |
| 12.....       | 727                          | 227,551                     | 469,664.28                | 2.06                       | Section Foremen.....                      | 835                         | 343                           | 556.34                            |
| 13.....       | 112                          | 37,344                      | 45,654.00                 | 1.22                       | Other Trackmen.....                       | 3,725                       | 274                           | 324.39                            |
| 14.....       | 4,660                        | 1,301,040                   | 2,480,616.36              | 1.91                       | Switchmen, Flagmen and Watchmen.....      | 1,029                       | 311                           | 648.03                            |
|               |                              |                             |                           |                            | Telegraph Operators and Dispatchers.....  | 481                         | 328                           | 691.38                            |
|               |                              |                             |                           |                            | Employees account Floating Equipment..... | 55                          | 225                           | 485.39                            |
|               |                              |                             |                           |                            | All other Employees and Laborers.....     | 2,480                       | 318                           | 573.42                            |
|               | 19,374                       | 5,891,490                   | \$11,279,731.55           | \$1.91                     |   |                             |                               |                                   |

## STREET CAR LINES.

From the table following it will be seen that nine companies have reported the average wages paid in each class of employment in street car service. The table shows that conductors, motormen and gripmen are paid the same; the average being 18 cents per hour. The day's work is supposed to be 10 hours, but oftentimes 12 hours are worked. Street railway managers prefer the same train men for full 12 hours, and doubtless inducements are offered men to put in a full half-day and night. When it is considered that this is a business of a monotonous round of 365 days in each year, and though the pay may appear fairly good for the entire year, yet such wages are not only hard-earned, but at the sacrifice of much-needed rest and comfort, and in the very nature of things, must, if followed year after year, tend to undermine strength and health.

Extra night and morning trains require extra men who average on some lines about \$10 per week.

From the best information obtainable the number of men employed on the nine lines reported is about 1,675, to whom \$1,188,000 is paid annually, or an average to each employe of \$709 per year.

TABLE SHOWING AVERAGE WAGES PAID BY 9 ELECTRIC  
STREET CAR LINES IN MISSOURI.

| Office No. | Electrician<br>per day. | Engineers,<br>per day. | Foreman,<br>per day. | Motormen,<br>per hour. | Gripmen,<br>per hour. | Conductors,<br>per hour. | Machinists<br>per day. | Wood<br>Workmen,<br>per day. | Black-<br>smiths,<br>per day. | Painters,<br>per day. | Trackmen,<br>per day. | Flagmen,<br>per day. | Track<br>Oilers,<br>per day. | Laborers,<br>per day. | Firemen,<br>per day. | Coal<br>Passers,<br>per day. |
|------------|-------------------------|------------------------|----------------------|------------------------|-----------------------|--------------------------|------------------------|------------------------------|-------------------------------|-----------------------|-----------------------|----------------------|------------------------------|-----------------------|----------------------|------------------------------|
| 1          | \$3.00                  | \$2.50                 | \$2.16               | \$0.15                 | \$0.17                | \$0.15                   | \$2.26                 | \$2.00                       | \$2.75                        | \$1.75                | \$1.50                | \$1.15               | \$1.15                       | \$1.50                | .....                | .....                        |
| 2          | .....                   | 3.00                   | .....                | 17                     | 17                    | 17                       | .....                  | 3.00                         | 2.50                          | 2.50                  | 1.75                  | 1.75                 | 2.00                         | 1.50                  | \$2.50               | \$1.75                       |
| 3          | .....                   | 5.00                   | 3.33                 | 22                     | 22                    | 22                       | 2.25                   | 3.00                         | 2.00                          | 2.00                  | 1.75                  | 1.75                 | 1.75                         | 1.50                  | 1.75                 | 1.75                         |
| 4          | .....                   | 3.00                   | 3.00                 | 19                     | 19                    | 19                       | 2.00                   | 3.00                         | 2.00                          | 2.00                  | 1.75                  | 1.75                 | 1.75                         | 1.50                  | 1.75                 | 1.75                         |
| 5          | .....                   | 3.00                   | 3.00                 | 20                     | 20                    | 20                       | 2.25                   | 2.80                         | 2.25                          | 2.00                  | 1.50                  | 1.50                 | 1.50                         | 1.50                  | 1.50                 | 1.50                         |
| 6          | .....                   | 3.50                   | 3.00                 | 20                     | 20                    | 20                       | 2.25                   | 2.80                         | 2.25                          | 2.00                  | 1.50                  | 1.50                 | 1.50                         | 1.50                  | 1.50                 | 1.50                         |
| 7          | .....                   | 8.25                   | 2.50                 | 15                     | 15                    | 15                       | 2.25                   | 2.00                         | 2.25                          | 1.75                  | 1.50                  | 1.50                 | 1.50                         | 1.50                  | 1.50                 | 1.50                         |
| 8          | .....                   | 3.00                   | 2.75                 | 17                     | 17                    | 17                       | 2.00                   | 2.00                         | 2.00                          | 2.00                  | 1.40                  | 1.40                 | 1.40                         | 1.40                  | 1.75                 | 1.75                         |
| 9          | .....                   | 3.50                   | 3.00                 | 19                     | 19                    | 19                       | 2.25                   | 2.50                         | 2.50                          | 1.75                  | 1.75                  | 1.75                 | 2.00                         | 1.50                  | 2.00                 | 1.75                         |
| Av.        | .....                   | 4.00                   | 3.00                 | 22                     | 22                    | 22                       | 2.25                   | 3.00                         | 2.50                          | 2.50                  | 1.75                  | 1.75                 | 2.00                         | 1.75                  | 2.50                 | 1.75                         |
|            | .....                   | 3.00                   | 3.00                 | 19                     | 19                    | 19                       | 2.25                   | 2.00                         | 2.00                          | 2.00                  | 1.75                  | 1.75                 | 2.00                         | 1.50                  | 2.00                 | 1.75                         |
| Av.        | .....                   | \$3.31                 | \$2.86               | \$0.18                 | \$0.18                | \$0.18                   | \$2.19                 | \$2.31                       | \$2.25                        | \$2.08                | \$1.65                | \$1.59               | \$1.70                       | \$1.51                | \$1.72               | \$1.70                       |



## MISSOURI MINES.

TOTAL OUTPUT AND VALUE OF SAME.—AVERAGE WAGES, EARNINGS  
AND CONDITIONS OF MINERS.

Mr. Charles Evans, inspector of coal mines, and Mr. George E. Quinby, inspector of lead and zinc mines, furnish the following statement and recapitulation of the combined mining industries of the State for the fiscal year ending June 30, 1897:

The product of the coal, lead and zinc mines, each show an increased output compared with the year preceding as follows:

The coal product amounted to 2,429,388 tons, an increase of 9,241 tons.

The lead mined during the year, 67,404 tons, an increase of 1,900 tons.

The zinc mined amounted to 93,148.60 tons, an increase of 394.60 tons.

With an increased product for each of the above industries, we yet have a very decided decrease to report in the amount received for the same compared with the sum received for last year's product, notwithstanding the tonnage was much less.

|  |                         |
|--|-------------------------|
| The coal output for the year sold for..... | \$2,684,757.00          |
| The lead output brought.....               | 1,862,122.69            |
| The zinc output brought.....               | 1,706,947.50            |
| Total receipts ending June 30, 1897.....   | \$6,253,827.19          |
| Total receipts ending June 30, 1896.....   | 6,560,722.00            |
| Showing a decrease of .                    | \$ 306,894.81 or 4.69%. |

Lead and zinc during the last few months are each bringing better prices, and as a result there is an increased activity in mining. The prospect for a largely increased product during the coming year is very flattering, and should the foreign demand for the minerals continue, prices will be maintained, otherwise there does not appear a sufficient revival in the home market to keep up the present good prices.

The coal trade is also more active and gives promise of a large output; there is, however, no increase in the prices paid for mining and, unlike lead and zinc, the extra demand finds no corresponding increase in the price received for coal. The increased demand for coal in our State is largely due to the strike existing in adjoining States.

It will be noticed in the table following that there were employed in our mines during the winter season 14,110 men, the average for the entire year being 13,421. This indicates that there are between 60,000 and 70,000 men, women and children in our State deriving support directly from our mines.

The prices paid lead and zinc mine employes vary with different sections of the State, the character of the mining and conditions being different. In the southeast all labor in and about the mines average for working days \$1.34 per day. In Southwest Missouri miners average \$1.75 per day; jiggers, \$1.80, and laborers \$1.40 per day for days actually worked.

The pay of the coal miner is based upon the amount of work he does, being paid a certain price per ton for each ton of coal mined by him. The pay per ton varies with the thickness of the coal seam. The greatest quantity of coal mined in the State is paid for at the rate of 40 cents per ton in summer and 50 cents per ton in winter, run of mine coal.

While the other mines pay all the way from 60 cents to \$1 per ton for mining—some of which is screened coal—in other instances the vein is so thin that a large price per ton must be paid for mining, and even then, 40 cents per ton unscreened coal in a from 3 to 4 foot vein of coal is more profitable working.

Taking 24 of our best mines operating the greatest number of days, we find 2,583 miners earned \$881,587.30 last year, or an average of \$309 for each miner for his year's work. This being the best, it is not difficult to imagine that the remainder fare badly. The fact is, the coal miners in our State during the last three years have not earned an average of \$17 per month. Unless something is done to stop the emigration of that low class of foreign miners to our State, the native miner will be forced to quit the mines.

## SUMMARY—LEAD, ZINC AND COAL MINES OF MISSOURI.

YEAR ENDING JUNE 30, 1897.

|  | COAL.          | LEAD.          | ZINC.          | Lead and Zinc. | TOTAL.      |
|--|----------------|----------------|----------------|----------------|-------------|
| Number of counties in the State producing.....         | 34             | 4              | 5              | .....          | 43          |
| Number of mines or shafts in the State producing.....  | 418            | .....          | .....          | 547            | 965         |
| Number of tons produced.....                           | 2,429,388      | 37,404         | 98,148         | 160,552        | .....       |
| Amount received for the product.....                   | \$2,064,757.00 | \$1,862,122.00 | \$1,706,947.00 | \$3,569,069    | \$8,263,827 |
| Average price received per ton.....                    | \$1.10         | \$27.62        | \$18.22        | .....          | .....       |
| Number of miners employed (average).....               | 5,807          | .....          | .....          | 3,687          | 9,494       |
| Number of other employes (average).....                | 1,250          | .....          | .....          | 2,677          | 3,927       |
| Number of all employes (average).....                  | 7,057          | .....          | .....          | 6,364          | 13,421      |
| Number of fatal accidents.....                         | 8              | .....          | .....          | 16             | 24          |
| Number of wives made widows.....                       | 6              | .....          | .....          | 9              | 15          |
| Number of children made fatherless.....                | 17             | .....          | .....          | 21             | 38          |
| Number of non-fatal accidents.....                     | 23             | .....          | .....          | 5              | 28          |
| Number of all accidents.....                           | 31             | .....          | .....          | 21             | 52          |
| Number of tons (average) mined for each life lost..... | 806,674        | .....          | .....          | 9,891          | .....       |
| Number of kegs of powder consumed.....                 | 54,769         | .....          | .....          | .....          | 54,769      |
| Cost of powder to miners.....                          | \$81,675.00    | .....          | .....          | .....          | \$81,675    |

**"THE FELLOW SERVANT LAW."**

In former reports of the Bureau of Labor Statistics have been given a summary of the laws and some of the decisions of the courts upon the rights of workingmen who have had the misfortune to sustain personal injuries on account of the negligence of their fellow-servants.

For several years many of the wage-workers and other laboring people of this State have been agitating for the enactment of some statute on this subject which would be more humane and just than the construction which many modern judges have given to the rules of the old British law which forms the basis of the general law of Missouri in common with many States of our Union. The subject has caused serious divisions of opinion among the judges of the Supreme Court of Missouri. In the Parker case (109 Mo. Rep., p. 362), and in the Dixon case (109 Mo. Rep., p. 413), the majority of the judges decided that where an injury to a workman was caused by negligence of another in a different line or "department" of service of the master, the latter was not exempt from liability by reason of the relation of the workmen as fellow-servants. Three of the seven judges of the court, however, did not concur in those decisions.

The Missouri Supreme Court also decided in *Stephens vs. Railroad* (96 Mo. Rep., p. 207), and in the *Russ* case (112 Mo. Rep., p. 45), that an injury to a workman because of the negligence of a superior servant (under whose orders the workman was engaged at the time of injury) created a cause for an action, and that those parties were not fellow-servants.

The same construction of the law was also declared in 1897 in the *Bradley* case (39 S. W. Rep., p. 763.)

The "department rule" and "superior servant rule" (announced by the decisions above referred to) had been foreshadowed (if not actually proclaimed) in earlier precedents. The principle of the "superior servant" doctrine had even been laid down by a high English court as early as 1860, in *Ashworth vs. Stanwix* (3 El. and El. Rep., p. 707). But both of those rules received at length a most positive declaration in the cases above mentioned in Missouri.

On these two important points in the law of fellow-servants the decisions of the Supreme Court of our State do not agree with the more recent judgments of the Supreme Court of the United States, as will be seen by reading the opinions of the latter in its reports, vol. 162, p. 359; vol. 166, p. 399, and in the case of *Alaska Treadwell Gold Mining Co. vs. Whelan*, decided October 18, 1897. In the last case it was said by the majority of that body (Judges Fuller and Harlan dissenting) that the defendant corporation was

not liable for the negligence of a mine boss or foreman by whose negligence a workman subordinate to his orders was injured, even although the foreman might have the power to employ and discharge the men in his "gang." The court asserted that such a foreman and the workmen under his direction were fellow-servants.

That court has also decided that, where there is no State statute on the subject, the law of fellow-servants is only part of the "general jurisprudence" of the United States, and, therefore, that the court does not consider itself bound to follow the opinion of the Supreme Court of the State in which a case involving the rights of a fellow-servant may originate. The Federal Supreme Court enforces the views of the majority of its members, independent of the opinion of the judges of the State courts of the place where the injury may occur, unless there is a statute governing the subject. That rule was announced positively in the Baltimore and Ohio R. R. case (149 U. S. Rep., p. 368), which in effect overruled a prior decision of the same court (when its membership was different), in the Ross case, reported 112 U. S. Report, p. 377.

The subordinate courts of the Federal system, including the United States trial courts in Missouri, follow the rulings of the Supreme Courts of the United States in applying the law as to fellow-servants. So that a nonresident corporation or other nonresident employer of labor would have in the Federal courts of this State a larger immunity and exemption from liability (in a case involving the law of fellow-servants) than a Missouri corporation, or other employer, would have in our own State courts, so long as we have no Missouri legislation in regard to that question.

It is this peculiarity of the law that furnishes a practical reason for the passage of proper legislative acts to define the liability of employers in cases where injuries occur by the negligence of co-employees. There are other reasons to be found in the strong demand of public opinion for some modification of the doctrines of the British law, as well as in the confusion, conflict and uncertainty in our jurisprudence caused by the variety of opinions of the judges on this subject in all parts of our country.

The United States Supreme Court has, however, conceded that it will follow the local law of a State in dealing with the rights of fellow-servants when the law is put into the form of a statute (Chicago Ry. Co. vs. Artery, 137 U. S. Rep., p. 597), although the court refuses to follow the local law when expressed by the opinions of the highest courts of the State in expounding the "general jurisprudence" of the State.

These distinctions seem somewhat fine, not to say technical. The average citizen (not learned in the law) would find difficulty in

grasping the reasons on which they are supposed to be based. But as those distinctions have been declared to exist by the high court referred to, the people whose rights are affected thereby must shape their public course accordingly.

The courts themselves, Federal and State (even those the most conservative in adhering to the so-called ancient principles of the common law of England) have gradually relaxed the rigor of those principles in many respects. For example, it is now the law everywhere that where a workman is injured by negligence of a fellow-workman, in omitting to take reasonable care of the machinery or appliances for carrying on the work, his employer is usually liable to the injured party for the negligence of his fellow-servant in that particular. (*Washington R. Co. vs. McDade*, 135 U. S. Rep., p. 554.)

The same rule of liability is recognized (not, however, quite so universally), where the workman is injured by negligence of a fellow-workman caused by the absence of reasonable rules, or a proper "system" (as it is sometimes called) for managing the master's enterprise, where it is extensive and involves the regulation of the movements of a large number of men. (*Abel vs. Railroad*, 103 N. Y. Rep., p. 581.)

The duty to provide safe appliances and machinery, and the duty to regulate the business by necessary rules have been called "personal duties" of the employer for whose due observance he is answerable to any employe injured by negligence in such observance, no matter to whom the master may commit the performance of those duties.

But many of the courts that acknowledge the justice and force of the last two doctrines (as to machinery and working rules), refuse to recognize the so-called "department rule" and the "superior servant rule" that have been already mentioned as established in the general law of Missouri by the decisions of a majority of the judges of the Supreme Court of our State.

The extensive discussion of these decisions and doctrines among many of the citizens of the United States has led to the formation of a powerful sentiment in the industrial classes (as well as in the minds of many others who have closely studied the subject) in favor of reasonable amendments of the law so as to define clearly the liability of employers in cases where injuries happen through certain sorts of culpable negligence of co-employees.

Very many of the American States have enacted statutes to alter the old common law in regard to fellow-servants.

The Parliament of Great Britain has radically reformed that law by the act of 1880, well known in that country by the name of the "Gladstone bill."

The extent of legislation on this question in America indicates how general is the purpose of the people to demand the recognition of more just and equitable principles to govern the dealings of employer and employe than were contained in the theories of the modern English law, as interpreted by many of the judges in England and America.

The following are references to some of the principal statutes of that kind enacted within comparatively recent years:

- Alabama, Code, 1886, Sec. 2,590.
- Arkansas, Laws, 1893, p. 68.
- Colorado, Laws, 1893, p. 129.
- Florida, Laws, 1887, ch. 3,741.
- Georgia, Code, 1873, Sec. 3,036, and Laws, 1895, p. 97.
- Indiana, Laws, 1893, p. 294; R. S. 1894, Secs. 7,083—7,087, and Laws, 1895, p. 148.
- Iowa, Code, 1880, Sec. 1,307.
- Kansas, Laws, 1874, ch. 93; Gen. Stats., 1889, sec. 1,251.
- Massachusetts, Acts 1887, chap. 270; and Laws, 1888, chap. 155.
- Minnesota, Laws, 1887, ch. 13, and 1895, ch. 173.
- Mississippi, Code, 1880, sec. 1,054, p. 309.
- Mississippi Constitution, 1890, sec. 193.
- Montana, R. S., 1879, sec. 318, p. 471.
- Ohio, Laws, 1890, p. 149.
- North Carolina, Private Laws, 1897, p. 83.
- South Carolina, Constitution, 1895, art. 9, sec. 15.
- Texas, Laws, 1891, p. 25, and Laws, 1893, p. 120, and Laws, 1897 (called session), p. 14.
- Wisconsin, Acts, 1889, ch. 438, and Laws, 1893, p. 263.
- Wyoming, Laws, 1876, sec. 1, ch. 97.

It is worthy of remark that in those States in which the courts had applied most rigidly the ancient rules exempting the master from liability for negligence of a fellow-servant of the injured party, the changes in the law by acts of the Legislature have been the most radical and sweeping.

In Missouri the "death damage" act of 1855, which conferred on certain near relatives a right of action for the death of one person, occasioned by negligence of another, was declared in the Schultz case in 1865 (reported 36 Mo. Reports, p. 13), by the Supreme Court to render the employer liable for the death of one workman on account of the negligence of a fellow-servant in the circumstances mentioned in that act. But afterwards, in 1876, the decision in the Schultz case was overruled by the majority of the Supreme Court as then organized (Judge Henry dissenting) in the case of Proctor vs. Railroad (64 Mo. Report, p. 112), and it was held that the

old English doctrine exempting the employer from liability to one servant for injury caused by negligence of fellow-servant remained unchanged even by the broad terms of the "death damage" law.

In 1897, Governor Stephens in his inaugural address referred to the subject of fellow-servants in these words:

"I warmly and unequivocally indorse that plank in the Democratic platform upon which I was elected which declares in favor of a fellow-servant law. I earnestly hope that this Legislature will regard this mandate and enact a law that will meet the expectations of the railroad employes of the State."

In 1895 Governor Stone had recommended the enactment of some statute amending the existing law in the direction indicated by the legislation of sister States; but the bills proposed in furtherance of that suggestion failed of passage at that time.

It remained for the Thirty-ninth General Assembly to put upon the statute books of this State the first positive law dealing directly with this subject. It is as follows (Laws, 1897, p. 96):

"An Act to define the liabilities of railroad corporations in relation to damages sustained by their employes, and to define who are fellow-servants and who are not fellow-servants, and to prohibit contracts limiting liability under this act."

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section 1. That every railroad corporation owning or operating a railroad in this State shall be liable for all damages sustained by any agent or servant thereof while engaged in the work of operating such railroad by reason of the negligence of any other agent or servant thereof: Provided, that it may be shown in defense that the person injured was guilty of negligence contributing as a proximate cause to produce the injury.

Sec. 2. That all persons engaged in the service of any such railroad corporation doing business in this State, who are intrusted by such corporation with the authority of superintendence, control or command of other persons in the employ or service of such corporation, or with the authority to direct any other servant in the performance of any duty of such servant, or with the duty of inspection, or other duty owing by the master to the servant, are vice principals of such corporation, and are not fellow-servants with such employes.

Sec. 3. That all persons who are engaged in the common service of such railroad corporation, and who, while so engaged, are working together at the same time and place, to a common purpose of same grade, neither of such persons being intrusted by such corporation with any superintendence or control over their fellow-employes, are fellow-servants with each other: Provided, that nothing herein contained shall be so construed as to make any agent or servant of such corporation in the service of such corporation a fellow-servant with any other agent or servant of such corporation engaged in any other department or service of such corporation.

"Sec. 4. No contract made between any railroad corporation and any of its agents or servants, based upon the contingency of the injury or death of any agent or servant, limiting the liability of such railroad corporation for any damages under the provisions of this act, shall be valid or binding, but all such contracts or agreements shall be null and void."

"Approved February 9, 1897."

The foregoing act, it will be noticed, applies only to the employes of railroad corporations mentioned therein. But its adoption recognizes the justice of the principles which the act declares. If those principles are invoked to protect the employes of railroad corpora-

tions it would seem that they should be extended so as to afford reasonable protection to the many workingmen engaged in other dangerous occupations throughout the State.

There were several other bills before the General Assembly of 1897 intended to accomplish the object of affording that protection. One of those bills came very near to final passage. It was House Bill No. 541, introduced by Hon. George B. Ellis of Bates County. It passed the House of Representatives by a decisive vote, but was crowded out by the pressure of business in the Senate at the close of the session. Its scope is general, and yet it purports to deal with the many phases of this great question in accord with the laws that have found favor and acceptance in other States. It expresses also the "department rule" and the "superior servant rule" substantially as declared by the majority of the Supreme Court of Missouri.

As the fellow-servant question is a very live one and will demand further notice at the next session of the Legislature, we reproduce here a copy of Mr. Ellis' bill, viz.:

### "HOUSE BILL NO. 541."

"An Act to define the liability of employers for injuries to employees.

"Be it enacted by the General Assembly of the State of Missouri as follows:

"Section 1. Whenever an employe (himself at the time free of negligence directly contributing thereto) shall sustain personal injury as a direct result of negligence (by which is meant, in this act, any omission of ordinary care) on the part of his employer or of the agents of the latter (hereinafter described), whether said employer be an individual, firm or incorporated company, domestic or foreign, the employe shall be entitled to maintain a civil action against his employer, and to recover therein reasonable compensation for such injury in the following cases, viz: Where said injury has been caused:

"(1) By reason of any defect in the condition of the ways, works, mines, tools, machinery or plant connected with or used in the business of the employer, where such defective condition has resulted from negligence of the employer or his agents. (a)

"(2) By reason of the negligence of any person in the service of the employer who has any superintendence intrusted to him, whilst in the exercise of such superintendence; and it shall be a part of the duty of superintendence to provide and enforce rules or general orders that may be necessary to the safe management and regulation of any business involving the use of dangerous machinery or explosives, and wherein forty or more employes are engaged at any one time. (b)

"(3) By reason of the negligence of any person in the service of the employer to whose orders or directions the employe, at the time of injury, was bound to conform and did conform. (c)

"(4) By reason of the negligence of any agent of the employer who, at the time of said injury, was not engaged in the same common employment with the injured employe. Employes are in a common employment when (having no authority to direct any other employes) they are working together to one general purpose upon the same class of work, and under the immediate and actual supervision and direction of one superior. Employes working in different departments of the employer's service, or under several directions in the same department, are not in a common employment. Where the work or the services performed by one employe is essen-

(a) Compare: 46 Mo. 163; 59 Mo. 495; 118 Mo. 268.

(b) 33 Mo. 348; 96 Mo. 62.

(c) 61 Mo. 495; 85 Mo. 596; 96 Mo. 207; 103 Mo. 570; 108 Mo. 322; 112 Mo. 46; 115 Mo.



tially different in nature from that performed by another, or they are working under different foremen (or other persons actually and immediately directing their operations as employees), they are not in a common employment, within the meaning of this act. (Thus a track laborer, under direction of a section foreman, is not in a common employment with the operatives of a passenger train, under control of a conductor; nor is a bookkeeper of the employer's office in common employment with the miners of the employer's mine; and the trainmen of two separate trains of cars, in charge of different conductors, are not in a common employment, within the intent of this act; though these employees are mentioned merely to illustrate the above defined rule. (d)

"(5) By reason of the negligence of any employee who is incompetent to perform the service or work assigned to him, and of whose incompetency the employer (or any of his directing agents, superior to said incompetent servant) shall have had reasonable notice before the injury resulting from such incompetency. (e)

"(6) By reason of the negligence of any person in the employer's service having charge or control of any signal, switch, locomotive, car or train upon a railway, or of the negligence of any telegraph operator, or of any other person while performing the duty of giving or forwarding any order for the movement of trains, or for the direction of operatives engaged in the employer's service. (f)

"Sec. 2. Actions brought under this statute shall be governed and regulated by the Code of Civil Procedure in all particulars not otherwise provided for herein.

"Sec. 3. In the event of the death of any employee in consequence of a personal injury (for which a right of action in his favor under this act existed at the time of his death), the husband or wife, parent or minor child of said employee may respectively have and maintain an action against the employer for damages resulting from such death; but such action shall be brought within the time and by the same relations, as prescribed by section 4425, and the recovery shall be limited to like compensation defined by section 4427 of the Revised Statutes. This provision shall, however, in no respect abridge the right of any person to any lawful action under said sections, independent of the present act, except that but one recovery may be had on account of the same personal injury. (g)

"Sec. 4. Any contract (express or implied) by any employee, the effect of which shall be to waive, in any wise, any of the benefits of this act, shall be voidable at any time at the election of such employee, or (in case of his death) by any person entitled to a recovery of damages on account of any injury to said employee. (h)

"Sec. 5. Nothing in this act shall be construed to abridge or impair the liability of any employer, under existing law, statutory or general; and no liability created by this act shall arise in respect of any injury sustained before this act shall take effect." (i)

The foregoing bill presents the substance of the demands for immediate changes in the law of the subject to which it relates. Those demands are founded upon a deep conviction, held by those whose interests the bill most closely affects, that some such reform in the existing law is just and should be embodied in a permanent statute. The force of these demands increases with each refusal of them, and it is not likely that the agitation for reform in the direction indicated will cease until reasonable concessions to those demands are made.

It is a matter on which the administration of Governor

(d) 97 Mo. 113; 100 Mo. 362 and 426; 115 Mo. 87.

(e) 100 Mo. 475.

(f) Compare English Act 43 and 44 Vict., chap. 42; Mass. Acts of 1887, chap. 276; Wis. Laws of 1889, chap. 438; Ala. Code, 1886, sec. 2560; Indiana R. S., 1894, sec. 7063; 93 Mo. 359; 86 Tenn. 73; 93 Mo. 343.

(g) Compare Mo. R. S. 1889, secs. 4425-4427.

(h) Compare Indiana R. S. 1894, sec. 7087; Mass. Acts 1877, chap. 101; South Carolina Const. 1895, art. 9, sec. 15.

(i) Compare Indiana R. S. 1894, sec. 7083.

Stephens is to be congratulated that it has seen a beginning of reform legislation in this important field. The next step in that direction should be the enactment of a statute of more comprehensive range (along the lines of "House Bill 541") that will extend to a much larger class of workingmen the same protection accorded to employes of railroad corporations by the Missouri act of 1897.

It is not the purpose of this article to enter into any extended argument to vindicate the justice of the principles which the modern statutes dealing with this topic are designed to express. Our aim at this time has been merely to disclose the existing state of the law, so that those interested in its progress and not having the facilities of a law library at hand may find in this report an outline of the development of the law of fellow-servants in Missouri up to date.

## STATE FREE EMPLOYMENT DEPARTMENT AND FRAUDULENT EMPLOYMENT AGENCIES.

One of the chief sources of complaint of the laborers and especially the unemployed in the large cities is a certain class of private employment agencies who prey upon the unfortunate. Not all of the employment agencies can be classed as fraudulent, but in the investigations made by this Department in St. Louis alone, a large majority of them were found to outrival in their methods the worst gambling and confidence games in the city, yet their systems of robbery are so cunningly devised and so skillfully operated that it is almost impossible to convict them under the existing law. It was for the purpose of trying to break up these fraudulent concerns and bringing the employer and unemployed into closer relationship that the State Free Employment Department, 916 Chemical Building, St. Louis, was established by this Bureau.

The investigation of the methods of employment agencies has been somewhat limited and has been wholly confined to St. Louis, where there were 16 concerns in operation during the month of August, six of them having suspended since the establishment of the State Free Employment Department. During the investigation 2,000 contracts or applications for employment made with two agencies for a period of six months were secured. However, the two concerns were practically one; the business being conducted by the same parties. But owing to the numerous charges of fraud a change in name was necessary in order to deceive the applicant for employment and secure patronage.

The 2,000 applications represent an income to the agency of about \$3,000 for each six months, or \$6,000 per year, of which the unemployed of St. Louis were defrauded by one company alone. This \$6,000 is clear profit on an investment limited to the cost of a desk and a few chairs.

The following is a copy of the form of contract used by these concerns:

St. Louis,.....189.....

This agreement, made and entered into by and between the.....Employment Co., and.....applicant, both of St. Louis, Mo., wherein the said applicant seeks information relative to a position as.....or other work of a similar nature, under the following terms and conditions:

1st. That all fees paid to said.....Employment Co. in advance are paid for the express purpose of defraying all incidental expenses in procuring information with reference to the position desired and for services to be rendered by the said.....Employment Co., in various ways.

2d. It is further agreed and understood that the said.....Employment Co. shall have....., if necessary, in which to furnish said applicant employment, and that no money will be refunded and no position guaranteed.

3d. It is also agreed and understood that in the event of the said.....  
Employment Co. procuring said applicant employment, said applicant agrees to  
pay said.....Employment Co. 10 per cent of the amount of the first month's  
salary arising from such employment.

Witness our hand and seal this.....day of....., 189.....

Applicant represents the following: .....Age.....  
years. Nationality.....Language spoken.....Business for-  
merly engaged in.....References.....

.....EMPLOYMENT CO.

.....Applicant.

.....Address.

From the above it will be seen that the company promises to do absolutely nothing for the fee charged. Verbally, however, all sorts of promises are made and inducements offered. The victim is told that signing this agreement is a mere matter of form and the 10 per cent clause is pointed out and dilated upon to show that from motives of self-interest alone the employment company is bound to procure work for the applicant. When the work is not forthcoming within a reasonable time and the applicant becomes dissatisfied his contract is produced and he is told to read it for his own edification.

The fees charged are on the sliding scale system limited only to the size of the applicant's purse, and range anywhere from 50 cents to \$10.

In order to determine just what percentage of applicants received employment through these agencies, 70 names were selected from the number of applications in possession of the department, and a communication was addressed each one requesting information on this point. Of the 47 answers received not one had secured employment through any aid given by these agencies.

The Assistant Prosecuting Attorney of St. Louis is authority for the statement that there is but one private agency in the city against which no complaint of fraud has been lodged, and that in the month of September not a day passed without the customary complaint of fraud being made against some of them.

Under the existing law, it is almost impossible to secure a conviction. The law grants the agency reasonable time within which to procure the applicant employment and the Prosecuting Attorney construes this to mean 30 days. The majority of persons who apply to these agencies are from the country; their means are limited and they cannot remain in the city without work for any great length of time. As a result, they are never on hand to prosecute. If by chance they succeed in finding work in the interim they cannot afford to lose the time or their situation by being absent from employment, when they in any event remain the losers.

With the exception of possibly two private concerns, the employment agencies in the city of St. Louis are conducted by a class of persons who have no business outside the walls of the penitentiary.

They prey upon the class who can least afford to lose, even though it be but a small amount. As a rule, the greater the need the easier the victim.

To give a semblance of honesty to the business, an arrangement is frequently made with some business concern (which is not above turning a dishonest penny) to tell the applicant that the "place has just been filled"; the consideration being a part of the fee paid the agency. This scheme was disclosed by reputable employers to whom the proposition had been made.

Owing to the reasons heretofore stated, the Police Department is powerless to remedy the evil, and the agencies continue to rot the unwary without the slightest fear of punishment.

The only method yet devised, having a tendency to check the operations of these sharks, is the Free Employment Department conducted by the State Bureau of Labor.

This department was opened the first Monday in October. Up to and including the last working days of the month, the books of the department showed that 1,748 applications for employment had been received and positions were secured for 506 persons.

Following is a summary of the work of the Free Employment Department for the first month of its existence, ending October 30, 1897:

|   |       |
|---|-------|
| Total number of applications for employment.....            | 1,748 |
| Total number male applications for employment.....          | 1,511 |
| Total number female applications for employment.....        | 237   |
| Total number applications for help by employers.....        | 787   |
| Total number applications for female help by employers..... | 366   |
| Total number applications for male help by employers.....   | 521   |
| Total number applicants procuring employment.....           | 506   |
| Total number of male applicants procuring employment.....   | 283   |
| Total number of female applicants procuring employment..... | 223   |
| Total number applications for help not filled.....          | 283   |
| Total number applications for males not filled.....         | 286   |
| Total number applications for females not filled.....       | 45    |

That the work of the department is appreciated by the people of the State and of St. Louis, especially, goes without saying.

The results are beyond anything expected and the work has already reached a point that taxes to the utmost the limited force in charge.

The free employment system has been introduced in several of the States, notably New York, Ohio, Nebraska and Montana, special appropriations having been made in these States for the maintenance and support of these departments. It remains for Missouri

alone to have inaugurated the system as a part of the regular work of the Bureau of Labor, without an additional appropriation for its support.

The plan of operation is extremely simple and businesslike and entirely divested of red tape.

Applicants for employment are required to file their applications on a blank furnished by the department; giving their name, address, age, sex, nativity, kind of employment desired, wages required, where last employed, cause of idleness, references as to character, etc., etc. All such applications are registered for 30 days and then dropped from the list where employment is not secured. Applicants have the privilege of renewing application every 30 days if they desire, until employment is secured. Persons desiring help are required to file an application in the same manner on a blank furnished by the department, stating in exact terms the kind of laborer wanted, wages, term of service, etc., which application is also registered for the term of 30 days, or until help is secured.

Whenever applications are received and registered a number of parties making application for the position designated are promptly notified by postal card and given the address of the applicant for service. In this way the unemployed and the employer are brought together, with little difficulty, and at no more expense than the cost of a postage stamp.

All possible care is taken to prevent the registration of irresponsible parties. Through the agency of the press, whose indorsement and co-operation has been the most cordial, the benefits of the system are becoming known in every section of the State, and the department is growing in the confidence and esteem of large employers of labor.

Nearly 30 per cent of the applicants secured employment through the department during the first month of its existence, and the percentage should increase.

That the record of this department already exceeds that of any other free employment agency in the United States in the percentage of positions secured for applicants, is probably due to the practical methods employed in its operation. Thus far, only three persons have been required to do the work. Additional help would enable the Bureau to establish another branch of the department at Kansas City.

## BUREAU OF LABOR STATISTICS AND INSPECTION.

## LAWS RELATING TO ITS CREATION, POWERS AND DUTIES.

## PART I.

Sec. 8215. Bureau Established.—There is hereby established a separate and distinct department in this State, to be known as the "Bureau of Labor Statistics and Inspection of Factories, Mines and Workshops." (Laws 1883, p. 192.)

Sec. 8216. Object of Bureau.—The object of this department shall be to collect, assort, systematize and present in annual report to the Governor, to be by him transmitted biennially to the General Assembly, statistical details and information relating to all the departments of labor in the State, especially in its relations to the commercial, industrial, social, educational and sanitary condition of the laboring classes, and to the permanent prosperity of the productive industries of the State, and also to secure the inspection of all mines, factories, warehouses, workshops, foundries, machine shops and other manufacturing establishments, where persons, male and female, are employed throughout the State, and the observance of the regulations herein relating thereto. (Laws 1883, p. 192.)

Sec. 8217. Commissioner Appointed, How.—The Governor shall, with the advice and consent of the Senate, appoint, immediately after this article goes into effect, and every two years thereafter, commencing on the first Wednesday in February, 1885, some suitable person to perform the duties herein required, who shall be known as "Commissioner of Labor Statistics and Inspection," and who shall keep an office in such place as may be designated by the Governor. (Laws 1883, p. 192.)

Sec. 8218. Power of Commissioner; Annual Report to Be Made.—The Commissioner shall have power and authority in the discharge of his duties to enter and to inspect all factories, warehouses, elevators, workshops, tunnels, mines, foundries, machine shops and other manufacturing establishments, and he shall, as far as practicable, inspect or cause to be inspected, the same, and shall, annually, on or before the 5th day of November, present a report thereof, in writing, to the Governor, which shall contain statistical details relating to all departments of labor in the State, and to the inspection made by him, together with such other information as is contemplated by section 8216. (Laws 1883, p. 192; Amended Laws 1887, p. 282.)

Sec. 8219. He May Administer Oaths, Etc.—The Commissioner shall have power to administer oaths or affirmations, to examine witnesses and to take and preserve evidence; and it shall be the duty of all State, county and municipal officers to furnish to said Commissioner, upon his request, all statistical information in reference to labor which may be in their possession as such officers. (Laws 1883, p. 192.)

Sec. 8220. Mines, Factories, Etc.; How Arranged; Ventilation, Fire Escapes, Etc.—The owner, lessee, operator or manager of any mine, factory, workshop, warehouse, elevator, foundry, machine shop or other manufacturing establishment, shall not put at work or place therein for the purpose of labor or service, more persons in any one room or place than hygienic laws will warrant with safety to the health of such persons; all such rooms or places of employment shall have sufficient ventilation to carry off all foul or impure air, and to reduce the air of such room or place of employment to the standard of fresh air as near as may be practicable. Such rooms or places shall also have a sufficient number of doors, stairways and fire escapes for the ready egress and escape of the maximum number of employes therein; and it is hereby made the duty of said Commissioner to include in his annual report any nonobservance of the requirements and regulations contained in this section which may come to his knowledge, together with the facts in relation thereto, and such suggestions and recommendations as he may deem proper. (Laws 1883, p. 192.)

Sec. 8221. Penalty for Refusing Commissioner Admission to Factory, Etc.—Any owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop or other manufacturing establishment, or any agent or employe of such owner, operator, manager or lessee, who shall refuse to said Commissioner admission therein for the purpose of inspection, or who shall, when requested by him, neglect or refuse to furnish to him any statistical or other information relative to his duties which may be in their possession or under their control, shall, for every such neglect or refusal, be deemed guilty of a misdemeanor, and shall, on conviction, be fined in a sum not less than twenty-five nor more than one hundred dollars. (Laws 1883, p. 192.)

Sec. 8222. Salary; May Employ Assistant; Bond to Be Given.—The Commissioner of Labor Statistics and Inspection shall receive an annual salary of two thousand dollars, payable monthly, and said Commissioner is hereby authorized to employ such assistance and incur such expense, not exceeding two thousand dollars per annum, as may be necessary to carry out the provisions of this article, such expenses to be paid on the vouchers presented by the Commissioner: Provided, however, that said expenses shall not exceed, in any one year, the amount appropriated therefor; said Commissioner shall, before entering upon the duties of his office, execute a bond to the State of Missouri in the sum of twenty thousand dollars, with two or more good and sufficient sureties, conditioned upon the faithful, honest and impartial performance of his duties under this article, which bond shall be approved by the State Auditor and filed in his office. Said Commissioner shall include in his annual report to the Governor an itemized statement of the expenses of the Bureau incurred by him. (Laws 1883, p. 192.)

Sec. 8223. This Article Not to Affect Act of March 23, 1881, Relating to Mines.—Nothing herein contained shall be construed to repeal or in any way affect the provisions of an act entitled "An act providing for the health and safety of persons employed in coal mines, and providing for the inspection of same," approved March 23, 1881, and it is hereby made the duty of said Commissioner to secure, as far as may be in his power, a proper observance of the provisions of said act on the part of county and other courts throughout the State. Said Commissioner shall have authority, whenever necessary in the discharge of his duties, to personally inspect any of the mines in this State. (Laws 1883, p. 192.)

## STATISTICAL INFORMATION.

Sec. 8225. Annual Reports of Manufacturers and Others; What to Contain.—It shall be the duty of every owner, operator, manager or lessee of any mine, factory, warehouse, elevator, foundry or machine shop, or other manufacturing establishments doing business and incorporated under the laws of this State, to report annually on the first day of October, to the Commissioner of the Bureau of Statistics of Labor, the name of firm or corporation, where located, the class and value of goods manufactured yearly, the number of weeks in operation, the cost of buildings and grounds, the cost of machinery and repairs, the amount paid yearly for rent, taxes, and insurance; the value of raw material used yearly, the total amount of wages paid yearly, the total number of employees, male and female; the total number of skilled and unskilled employees, male and female, and highest and lowest wages paid skilled and unskilled male and female employees, giving age of females under fourteen years. (Laws 1887, p. 283.)

Sec. 8226. Blanks for Report; Failure to Make Same; Penalty.—The Commissioner of the Bureau of Statistics of Labor is hereby authorized to furnish suitable blanks to the owner, operator, manager or lessee of any mine, factory, workshop, warehouse, elevator, foundry, machine shop or any other manufacturing establishment, to enable said owner, operator, manager or lessee to intelligently comply with the provisions of section 8224 of this article; and any such owner, operator, manager or lessee who shall willfully neglect or refuse to comply with the provisions of this article shall be deemed guilty of a misdemeanor, and on conviction thereof shall be punished by a fine of not less than one hundred dollars nor more than two hundred dollars. (Laws 1887, p. 283.)

## STRIKES—ARBITRATION.

Sec. 6354. Dispute Between Employer and Employee, Etc.—Upon information furnished by an employer of laborers, or by a committee of employees, or from any other reliable source, that a dispute has arisen between employers and employees, which dispute may result in a strike or lock-out, the Commissioner of Labor Statistics and Inspection shall at once visit the place of dispute and seek to mediate between the parties, if in his discretion it is necessary so to do. (New section.)

Sec. 6355. Board of Arbitration Formed; When.—If a mediation cannot be effected, the Commissioner may at his discretion direct the formation of a Board of Arbitration, to be composed of two employers and two employees engaged in a similar occupation to the one in which the dispute exists, but who are not parties to the dispute, and the Commissioner of Labor Statistics and Inspection, who shall be president of the board. (New section.)



Sec. 6356. Power and Duties of Board.—The board shall have power to summon and examine witnesses and hear the matter in dispute, and, within three days after the investigation, render a decision thereon, which shall be published, a copy of which shall be furnished each party in dispute, and shall be final, unless objections are made by either party within five days thereafter: Provided, that the only effect of the investigation herein provided for shall be to give the facts leading to such dispute to the public through an unbiased channel. (New section.)

Sec. 6357. Board Not to Be Formed; When.—In no case shall a Board of Arbitration be formed when work has been discontinued, either by action of the employer or the employees; should, however, a lock-out or strike have occurred before the Commissioner of Labor Statistics could be notified, he may order the formation of a Board of Arbitration upon resumption of work. (New section.)

Sec. 6358. Board to Appoint a Clerk; Compensation.—The Board of Arbitration shall appoint a clerk at each session of the board, who shall receive three dollars per day for his services, to be paid, upon approval by the Commissioner of Labor Statistics, out of the fund appropriated for expenses of the Bureau of Labor Statistics. (New section.)

## INSPECTION.

### HEALTH AND SAFETY OF EMPLOYEES.

An Act relating to manufacturing, mechanical, mercantile and other establishments and places, and the employment, safety, health and work hours of employees.

#### Section

1. Inspector of Factories to be appointed in certain cities, and their duties.
2. Accidents to be reported to Commissioner of Labor and City Physician.
3. Belting, shafting, etc., to be guarded, or notice of danger posted.
4. Women and minors not required to clean machinery in motion.
5. Hatchways, elevators, etc., to be protected by trap doors and hatches.
6. Fire escapes to be provided.
7. Doors to open outwardly.
8. Factories and workshops to be illuminated or painted.
9. Explosives or inflammable matter not to obstruct egress.
10. Suitable facilities for washing and dressing to be provided.
11. Separate water closets to be provided for the sexes.
12. Ventilation.
13. Seats to be provided for females.
14. Fans to be provided to prevent inhalation of dust and smoke.
15. Overcrowding establishments prohibited.

#### Section

16. Duty of inspector where health and safety of employees are endangered.
17. Conditions required for use of cellar or basement as a bake-house.
18. Sleeping apartments to be separate from bake-house.
19. Scaffolds, etc., to be safely supported.
20. Railroad platforms, passageways, etc., to be securely arranged.
21. Occupancy of factory, workshop or mill to be made known to inspector.
22. Violation of act a misdemeanor; penalty.
23. Officers of corporations subject to same penalties.
24. Fines to be applied to school fund.
25. Duty of prosecuting attorneys.
26. Act not to impair other nonconflicting acts.
27. Inspector may elect as to prosecution.
28. Assistant inspector shall have same power as the principal.

Be it enacted by the General Assembly of the State of Missouri, as follows:

Section 1. It is hereby made the duty of the public authorities of each city in this State, with a population of five thousand inhabitants or more, to appoint an inspector, with deputies, where the same are necessary, to be paid by the cities such reasonable compensation as may be prescribed by ordinance, whose duty it shall be to make frequent inspections of all factories employing exceeding ten persons, and said inspectors may perform such duties as may be prescribed by ordinance, and shall make semi-annual reports to the State Labor Commissioner, and shall also cause any violation of the provisions of this act to be brought to the attention of the grand juries of their respective counties. The duties by this section devolved upon an inspector may, under such regulations as may be prescribed by ordinance, be performed by any city officer designated by ordinance of such city for the purpose.

Sec. 2. All accidents in manufacturing, mechanical, mercantile or other establishments or places within this State where labor is employed, which prevent the

injured person or persons from returning to work within two (2) weeks after the injury, or which result in death, shall be reported by the person in charge of such establishment or place to the Commissioner of Labor, or Deputy Inspector, or one of the assistant inspectors provided for by this act, and also the city or county physician, when there be such an officer, which notice may be given by mail.

Sec. 3. The belting, shafting, gearing and drums, in all manufacturing, mechanical and other establishments in this State, when so placed as to be dangerous to persons employed therein or thereabout while engaged in their ordinary duties, shall be safely and securely guarded when possible; if not possible, then notice of its danger shall be conspicuously posted in such establishments.

Sec. 4. No minor or woman shall be required to clean any part of the mill, gearing or machinery in any such establishment in this State, while the same is in motion, or work between the fixed or traversing parts of any machine, while it is in motion by the action of steam, water or other mechanical power.

Sec. 5. The openings of all hatchways, elevators and well-holes upon every floor of every manufacturing, mechanical or mercantile or public building in this State, shall be protected by good and sufficient trap doors or self-closing hatches or safety catches, or strong guard rails at least three feet high, and all due diligence shall be used to keep such trap doors closed at all times, except when in actual use by the occupant of the building having the use and control of the same.

Sec. 6. All manufacturing, mechanical, mercantile or other establishments in this State, of two or more stories in height, in which twenty or more persons are employed above the first floor thereof, shall be provided with at least one or more outside iron fire escapes. For every twenty persons employed on every floor above the second floor of such establishment, there shall be one rope or portable fire escape, and each story shall be amply supplied with means for extinguishing fire.

Sec. 7. In all such establishments the main doors, both inside and outside, shall open outwardly, when the inspector, in writing, so directs; and no outside or inside door of any building wherein labor is employed shall be so locked, bolted or otherwise fastened during the hours of labor as to prevent egress.

Sec. 8. Every factory and workshop in this State where women and children are employed, and where dusty work is carried on, shall be limewashed or painted at least once in every twelve months.

Sec. 9. No explosive or inflammable compound shall be used in any establishment in this State where labor is employed, in such place or manner as to obstruct or render hazardous the egress of operatives in case of fire.

Sec. 10. In every factory, workshop or other establishment in this State where girls or women are employed, where unclean work of any kind has to be performed, suitable places shall be provided for such girls or women to wash and dress, and stairs in use by female employees shall in all such establishments be properly screened.

Sec. 11. Separate water closets shall be provided for the use of employees of either sex in manufacturing, mechanical, mercantile and other establishments in this State where persons of both sexes are employed.

Sec. 12. All manufacturing, mechanical, mercantile and other establishments in this State shall be so ventilated as to render harmless all impurities, as near as may be.

Sec. 13. In every manufacturing, mechanical, mercantile and other establishments in this State wherein girls or women are employed, there shall be provided and conveniently located seats sufficient to comfortably seat such girls or women, and during such times as such girls or women are not necessarily required by their duties to be upon their feet, they shall be allowed to occupy the seats provided.

Sec. 14. In all establishments in this State wherein labor is employed, where any process is carried on by which dust or smoke is generated, any one of the inspectors provided for in this act, or the Labor Commissioner or his deputies, shall have the power and the authority to order that a fan or some other contrivance be put in to prevent the inhalation of such dust or smoke by employees. (New section, Laws 1897.)

Sec. 15. Where, in the opinion of the Commissioner of Labor, any establishment wherein labor is employed is so overcrowded with employees as to endanger health or safety, the Commissioner of Labor, when supported in his opinion by the opinion of some reputable physician, shall be authorized and empowered to prohibit such overcrowding.

Sec. 16. Whenever the Commissioner of Labor, or assistant inspector, finds that the heating, lighting, ventilating or sanitary arrangements of any establishment where labor is employed, is such as to be dangerous to the health or safety

of employes therein or thereat, or the means of egress, in case of fire or other disaster, are not sufficient, or that the building, or any part thereof, is unsafe, or that the belting, shafting, gearing, elevators, drums or other machinery, are located so as to be dangerous to employes, and not sufficiently guarded, or that the vats, pans, ladles or structures filled with molten or hot liquid, or any furnace, be not sufficiently surrounded with proper safeguards, or the platforms, passageways and other arrangements around, in or about any railroad yard or switch, be such as to probably lead to injury or accident to those employed in, around or about any such establishment or place, the inspector or assistant inspector shall at once notify the person or persons in charge of such establishment or place to make the alterations or additions necessary within thirty days; and if such alterations or additions be not made within thirty days from the date of such notice, or within such time as said alterations could be made with proper diligence, then such failure to make such alterations shall be deemed a violation of this act.

Sec. 17. No cellar, basement, room or other place shall be occupied as a bake-house which is less than one-half of its height above the level of the street, foot-way or ground adjoining the same, unless the following regulations have been complied with: First, no water closet, earth closet, privy or ash pit shall be within or communicate directly with the bake-house; second, no drain or pipe for carrying off sewage or other impure matter shall have an opening within a bake-house, unless such drain or pipe be tapped with a six-inch water seal, both within and without the wall of the bake-house, and have a ventilating pipe of one-half the size of drain pipe between the wall and the outer trap, and which ventilating pipe shall run two feet above the roof of the building.

Sec. 18. The sleeping places of workmen and others employed in bake-houses shall be separate and distinct from the places used for making bread.

Sec. 19. All scaffolds or structures used in or for the erection, repairing or taking down of any kind of building shall be well and safely supported, and of sufficient width, and so secured as to insure the safety of persons working thereon, or passing under or about the same, against the falling thereof, or the falling of such materials or articles as may be used, placed or deposited thereon. All persons engaged in the erection, repairing or taking down of any kind of building shall exercise due caution and care so as to prevent injury or accident to those at work or near by.

Sec. 20. All platforms, passageways, steps, flag offices and other structures or arrangements in and around all railroad yards, switches, round houses, switch offices, freight houses and passenger depots, shall be located, placed and arranged so as to insure, as far as possible, the safety of employes from injury or accident.

Sec. 21. Within one month after the occupancy of any factory, workshop or mill, the occupant shall notify the inspector, in writing, of such occupancy.

Sec. 22. Any person or persons, firm or corporation, being the owner, agent, lessee or occupant of any manufacturing, mechanical, mercantile or other establishment, business or calling in this State to which this act applies, or any employe therein or thereat, who shall violate, or aid or abet in violating, any of the provisions of this act, shall be deemed guilty of a misdemeanor, and upon conviction in any court of competent jurisdiction in this State, be fined for the first offense not less than twenty-five dollars nor more than two hundred dollars, and for each subsequent offense not less than one hundred dollars nor more than five hundred dollars, and, in default of payment of such fine and costs, shall be committed to the common jail of the county or city in which the offense was committed until such fine and costs are fully paid.

Sec. 23. When any of the provisions of this act are violated by a corporation, proceeding may be had against any of the officers or agents of such corporation who in any way participated in such violation by the corporation of which they are the officers or agents, and, upon conviction, such officers or agents shall be subject to the same penalty as in case of individuals so offending.

Sec. 24. All fines collected for violation of this act shall be paid into the common school fund of the county in which the offense was committed.

Sec. 25. It is hereby made the express duty of the prosecuting attorney of each county or city in this State to lend all possible aid in all prosecutions for violation of the provisions of this act.

Sec. 26. This act is not intended to impair the force or effect of any law now in force in this State relating to the protection of labor, except such acts or parts of acts as may be inconsistent with this act, and all such are hereby repealed.

Sec. 27. In case of an offense which is a violation of both this act and of some other law of this State, then the inspector or assistant inspector may elect under

which law he will prosecute; but where an offense is in violation of some other law of this State in relation to the protection of employees, but is not covered by this act, then it shall be the duty of the inspector or assistant inspector to prosecute for all such offenses under the law violated.

Sec. 23. All assistant inspectors appointed in accordance with the provisions of this act shall have the same authority as that vested in the State Inspector, and as far as consistent, their duties shall be the same as defined for the State Inspector.

Approved April 20, 1891.

## LABOR.

### LAWS RELATING TO THE RIGHTS AND INTERESTS, AND PROVIDING FOR THE PROTECTION, OF WAGE-EARNERS.—MISCEL- LANEOUS PROVISIONS.

## PART II.

### WHAT CONSTITUTES A DAY'S LABOR.

Sec. 6353. Eight Hours Constitute a Day's Labor; When.—From and after the first day of May, in the year eighteen hundred and sixty-seven, the period of eight hours shall be and constitute a legal day's work; but nothing in this section shall be so construed as to prevent parties to any contract for work, services or labor from agreeing upon a longer or shorter time. This section shall not apply to persons hired or employed by the month, nor to laborers or farm hands in the service of farmers or others engaged in agriculture. (R. S., 1879, Sec. 6101.)

## LEGAL HOLIDAYS.

Sec. 737. The following days, namely, the first day of January, the twenty-second day of February, the thirtieth day of May, the fourth day of July, the first Monday in September, any general State election day, any thanksgiving day appointed by the Governor of this State or by the President of the United States, and the twenty-fifth day of December, are hereby declared and established public holidays; and when any of such holidays fall upon Sunday, the Monday next following shall be considered such holiday. (Portion of Sec. 737, R. S., 1889, relating to holidays, as amended Laws 1895.)

## WAGES.

Section 1. It shall not be lawful for any person, firm or corporation in this State to issue, pay out or circulate for payment of the wages of labor, any order, note, check, memorandum, token, evidence of indebtedness, or other obligation, unless the same is negotiable and redeemable at its face value, in lawful money of the United States, by the person, firm or corporation issuing same.

Sec. 2. All persons, firms or corporations issuing or circulating any such order, note, check, memorandum, token, evidence of indebtedness or other obligation, shall be at all times during the business hours of the day prepared to redeem, and shall redeem, all such orders, notes, checks, memorandum, tokens, evidence of indebtedness or other obligation, when presented at their place of business or office, at their face value, in good and lawful money of the United States, or in goods, at the option of the holder.

Sec. 3. Any person, firm or corporation, or the officer or officers of any corporation, who shall violate this act shall be deemed guilty of a misdemeanor, and, upon conviction thereof, shall be fined in a sum not less than fifty (50) nor more

than five hundred (500) dollars, or by imprisonment in the county jail, or by both such fine and imprisonment.

Sec. 4. All fines, exclusive of the expenses of the court, collected under and by virtue of this act shall be immediately paid into the treasury of the school trustees or board of each county where such fines are collected: Provided, however, that nothing contained herein shall be so construed as to apply to any municipality, township, county or other subdivision of the State.

Approved April 8, 1895.

Section 4910. No Property Exempt From Levy for Certain Services, Etc.—For all personal services rendered by any person acting in the capacity of house servant or common laborer, to any amount not exceeding ninety dollars, no property shall be exempt from seizure and sale under execution: Provided, that suit be instituted, to recover the same within the time in section 4912 limited. (R. S., 1879, Sec. 2350.)

Sec. 4912. Id. Time Within Which Action Shall Be Commenced.—The persons specified in section 4910, in order to secure the benefit thereof, shall commence their actions within six months next after last services shall have been rendered. (R. S., 1879, Sec. 2351.)

## EXEMPTION FROM GARNISHMENT.

Section 5220. No sheriff, constable or other officer charged with the collection of money shall, prior to the return day of an execution or other process upon which the return may be made, be liable to be summoned as garnishee; \* \* \* nor shall any person be charged as garnishee on account of wages due from him to a defendant in his employ for the last thirty days' service: Provided, such employee is the head of a family and a resident of this State. \* \* \* (R. S.)

## MARRIED WOMEN—PROPERTY EXEMPT.

Section 6869. Married Woman to Hold Her Personal Property and Her Real Estate as Her Separate Property; Liable for What.—All real estate and (any) personal property, including rights in action, belonging to any woman at her marriage, or which may \* \* \* be due as the wages of her separate labor, \* \* \* shall not be liable to be taken by any process of law for the debts of her husband. \* \* \*

## CORPORATIONS—DEBTS TO EMPLOYES.

Section 1. Section 2538 of the Revised Statutes of 1889 is hereby amended by striking out the word "sixty" in the fifth line of said section, and inserting in place thereof the words "one hundred," so that said section shall be and read as follows:

Sec. 2538. Debts to Employees, Etc., for Labor, Shall Have Priority of Payment, Etc.—All corporations shall make payment to their employes and other operatives, of wages due for all labor and services performed by them, within three months next preceding a demand made therefor, not exceeding one hundred dollars, in preference to any other claim, debts or demands whatsoever, not secured by specific liens on property; and such priority of payment may be enforced by civil action. Payment of wages shall be made on or before the fifteenth day of each month for the full amount of all wages earned previous to the first day of that month, with interest at six per centum. If not paid, to be added to the amount of said wages when paid or recovered by suit. All debts due employes or operatives for wages of their labor shall have priority of payment from the money and assets of the corporations in the hands of officers or agents, or any receiver or assignee, over every other claim not specifically secured. Every corporation, officer, agent, receiver, assignee, or person holding money or assets, refusing to recognize the priority of employes' claims, shall be liable to such employes for the amount of all losses and damages occasioned by his unlawfully withholding the money.

Approved April 1st, 1895.

Sec. 2538A. Corporations of Other States May Be Sued; How.—Any corporation incorporated by any other State or country, and having property in this State, shall be liable to be sued, and the property of the same shall be subject to attachment, in the same manner as individuals, residents of other States or countries, and having property, are now liable to be sued, and their property subject to be attached. (R. S., 1879, Sec. 742.)



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Sec. 2539. **Reduction of Wages; Company to Give Notice.**—Any railway, mining, express, telegraph, manufacturing or other company or corporation doing business in this State, and desiring to reduce the wages of its employes, or any of them, shall give to the employes to be affected thereby thirty days' notice thereof. (Laws 1885, p. 82, amended.)

Sec. 2540. **Notice; How Given.**—Such notice may be given by posting a written or printed hand-bill, specifying the class of employes whose wages are to be reduced and the amount of the reduction, in a conspicuous place in or about the shops, station, office, depot, or other place where said employes may be at work, or by mailing each employe a copy of said notice or hand-bill, and such company or corporation violating any of the provisions of the preceding section shall forfeit and pay each party affected thereby the sum of fifty dollars, to be recovered by civil action in the name of the injured party, with costs, before any court of competent jurisdiction. (Laws 1885, p. 82, amended.)

Sec. 2541. **This Article Not to Extend to What.**—Nothing contained in this article shall be construed to extend to any county or township, or to any public university, academy, seminary or school incorporated by the laws of this State. (R. S., 1879, Sec. 759.)

Sec. 7069. **Employees to Be Paid Monthly, Etc.**—The employes of operators of mines mentioned in this article shall be regularly paid at least once in every thirty days, and at no pay-day shall there be withheld of the earnings of any employe any sum to exceed the amount due him for his labor for the four days next preceding any such pay-day. And such operators shall, whenever demand therefor shall be made by any employe, issue to such employe a due-bill for the amount due him up to the date of the demand, which due-bill shall be negotiable, whatever the form thereof shall be, and shall be redeemed by such operator in cash or its equivalent, at the option of the holder, on any pay-day, if the same shall be presented for redemption by any holder thereof; and any such operator failing or refusing to pay his employes, or to issue to them his due-bills as in this section provided, shall become immediately liable to any such employe in double the sum due such employe at the time of such failure or refusal, to be recovered by civil action in the name of such employe in any court of competent jurisdiction of the State. And no employe within the meaning of this article shall be deemed to have waived any right accruing to him under this section by any contract he may make contrary to the provisions hereof. (New section.)

Sec. 7060. **Refusal to Redeem Orders; Penalty.**—Any officer or agent of any corporation, or any person, firm or company engaged in the business of manufacturing or mining in this State, who, by themselves or agent, shall issue or circulate in payment for wages of labor any order, check, memorandum, token or evidence of indebtedness, payable in whole or in part otherwise than in lawful money of the United States, without being negotiable and payable, at the option of the holder, in goods, wares, merchandise, supplies or lawful money of the United States, as required by Section 7068 of this article, or who shall fail to redeem the same when presented for payment within thirty days from date of delivery thereof, by said company or its agent, at his or their office or place of business, in lawful money of the United States, or who shall compel or attempt to coerce any employe of any such corporation, person, firm or company to purchase goods, wares, merchandise or supplies from any particular person, firm or corporation, shall be guilty of a misdemeanor, and on conviction thereof shall be fined not less than ten nor more than five hundred dollars for each and every such offense. (Laws 1885, p. 84.)

## MECHANICS' LIENS.

Sec. 6705. **Mechanics and Others to Have Lien; When.**—Every mechanic or other person, who shall do or perform any work or labor upon, or furnish any material, fixtures, engine, boiler or machinery for, any building, erection or improvements upon land, or for repairing the same, under or by virtue of any contract with the owner or proprietor thereof, or his agent, trustee, contractor or subcontractor, upon complying with the provisions of this article, shall have for his work or labor done, or materials, fixtures, engine, boiler or machinery furnished, a lien upon such building, erection or improvements, and upon the land belonging to such owner or proprietor on which the same are situated, to the extent of one acre; or, if such building, erection or improvement be upon any lot of land in any town, city or village, then such lien shall be upon such building, erection and improvements, and the lot or land upon which the same are situated, to secure the payment for such



work or labor done, or materials, fixtures, engine, boiler or machinery furnished as aforesaid. (R. S., 1879, Sec. 3172A.)

Sec. 6706. The Amount of Property Subject to Lien.—The entire land, to the extent aforesaid, upon which any such building, erection or other improvement is situated, including as well that part of said land which is not covered with such building, erection or other improvement, as that part thereof which is covered with the same, shall be subject to all liens created by this article, to the extent, and only to the extent, of all the right, title and interest owned therein by the owner or proprietor of such building, erection or other improvement, for whose immediate use or benefit the labor was done or things were furnished. (R. S., 1879, Sec. 3173B.)

Sec. 6707. Priority of Lien Over Other Incumbrances.—The lien for the things aforesaid, or work, shall attach to the buildings, erections or improvements for which they were furnished, or the work was done, in preference to any prior lien or incumbrance or mortgage upon the land upon which said buildings, erections, improvements or machinery have been erected or put; and any person enforcing such lien may have such building, erection or improvement sold under execution, and the purchaser may remove the same within a reasonable time thereafter. (R. S., 1879, Sec. 3174C.)

Sec. 6708. Lien in Cases of Leased Property.—Every building or other improvement erected, or materials furnished, according to the provisions of this article, on leased lots or lands, shall be held for the debt contracted for on account of the same, and also the leasehold term for such lot and land on which the same is erected; and in case the lessee shall have forfeited his lease, the purchaser of the building and leasehold term, or so much thereof as remains unexpired, under the provisions of this article, shall be held to be the assignees of such leasehold term, and as such shall be entitled to pay to the lessor all arrears of rent or other money, interest and costs due under said lease, unless the lessor shall have regained possession of the leasehold land, or obtained judgment for the possession thereof, on account of the noncompliance by the lessee with the terms of the lease, prior to the commencement of the improvements therein; in which case the purchaser of the improvements under this article shall have the right only to remove the improvements within sixty days after he shall purchase the same, and the owner of the ground shall receive the rent due him, payable out of the proceeds of the sale, according to the terms of the lease, down to the time of removing the building. (R. S., 1879, Sec. 3175D.)

Sec. 6711. Lien Shall Have Precedence Over All Subsequent Incumbrances.—The lien for work and materials as aforesaid shall be preferred to all other incumbrances which may be attached to or upon such buildings, bridges or other improvements, or the ground, or either of them, subsequent to the commencement of such buildings or improvements. (R. S., 1879, Sec. 3178G.)

(Note.—Sec. 6741, R. S. 1889, provides for a lien on railroads for labor and materials furnished.)

## PROTECTING RIGHTS OF WORKINGMEN.

Section 1. No employer, superintendent, foreman or other person exercising superintendence or authority over any mechanic, miner, engineer, fireman, switchman, baggageman, brakeman, conductor, telegraph operator, laborer or other workingman, shall enter into any contract or agreement with any such employee, requiring said employee to withdraw from any trade union, labor union or other lawful organization of which said employee may be a member, or requiring said employee to refrain from joining any trade union, labor union or other lawful organization, or requiring any such employee to abstain from attending any meeting or assemblage of people called or held for lawful purposes, or shall by any means attempt to compel or coerce any employee into withdrawal from any lawful organization or society.

Sec. 2. Corporations, and the managers, superintendents, overseers, master mechanics, foremen, officers and directors, and others exercising authority for and on behalf of corporations doing business in this State, shall be subject to the provisions of this act, and, upon conviction of the violation of any of its provisions, to the punishment prescribed by it.

Sec. 3. Any person or corporation violating any of the provisions of this act shall, upon conviction, be punished by a fine of not less than fifty dollars nor more than one thousand dollars, or imprisonment in the county jail not exceeding six months, or by both such fine and imprisonment.

Approved March 6, 1893.

## BLACKLISTING.

Section 1. Every person who shall, in this State, send or deliver, or shall make or cause to be made, for the purpose of being delivered or sent, or shall part with the possession of any paper, letter or writing, with or without a name signed thereto, or signed with a fictitious name, or with any letter, mark or other designation, or shall publish or cause to be published any false statements for the purpose of preventing such other person from obtaining employment in this State or elsewhere, and every person who shall "blacklist" or cause to be "blacklisted" any person or persons, by writing, printing, publishing, or causing the same to be done, the name or any mark or designation representing the name of any person in any paper, pamphlet, circular or book, together with any false statement concerning said persons so named, or shall publish that any one is a member of any secret organization, for the purpose of preventing such other person from securing employment, or any person who shall do any of the things mentioned in this section for the purpose of causing the discharge of any person employed by any railroad or other company, corporation, individuals or individual, shall, on conviction, be adjudged guilty of a misdemeanor and punished by a fine not exceeding one thousand dollars, or imprisonment in the county jail, or by both such fine and imprisonment.

Approved March 27, 1891.

## SCREENS FOR CARS ON STREET RAILROADS.

Section 1. That every electric street car, other than trail cars, which are attached to motor cars, shall be provided during the months of November, December, January, February and March of each year, at the front end, with a screen composed of glass or other material which shall fully and completely protect the driver, motorman, gripman or other person stationed on such front end and guiding and directing said car, from wind and storm.

Sec. 2. Any person, agent or officer of any association or corporation violating any of the provisions of this act shall be deemed guilty of a misdemeanor, and upon conviction shall be fined in a sum not less than twenty-five dollars nor more than one hundred dollars for each day that any car belonging to or used by such person, association or corporation is permitted to remain unprovided with the screen required by section 1 of this act. And it is hereby made the duty of the prosecuting attorney of each county in the State to enforce the provisions of this act, for which he shall be entitled, in addition to his ordinary fee or salary, one-fourth of the fine recovered.

Approved March 5, 1897.

## FRAUDULENT EMPLOYMENT AGENCIES.

Sec. 3583. Acts of Employment Agents; When a Misdemeanor.—Every person who shall agree or promise, or who shall advertise through the public press, or by letter, to furnish employment or situations to any person or persons, and in pursuance of such advertisement, agreement or promise, shall receive any money, personal property or other valuable thing whatsoever, and who shall fail to procure for such person or persons acceptable situations or employment within the time stated, or if no time be specified, then within a reasonable time thereafter, and who shall fail or refuse to return the money, personal property or other valuable thing so obtained, when the same shall have been demanded by such person or persons, shall be guilty of a misdemeanor. (R. S., 1879, Sec. 1351.)

Sec. 3523. Punishment for Misdemeanor.—Every person who shall be convicted of a misdemeanor, as prohibited by this chapter, the punishment for which is not hereinbefore prescribed, shall be punished by imprisonment in a county jail, or by fine not exceeding five hundred dollars, or by both such fine and imprisonment. (R. S., 1879, Sec. 1377.)

Sec. 3783. Interference with Lawful Employment by Threats, Etc.—Every person who shall, by force, menace or threats of violence to the person or property of another, compel or attempt to compel any person to abandon any lawful occupation or employment for any length of time, or attempt to prevent any person from accepting or entering upon any lawful employment, shall, upon conviction, be punished by imprisonment in the county jail not less than six months, or by a fine of not less than one hundred dollars, or by both such fine and imprisonment. Every

person who shall, by threats of violence to the person or property of another, compel or attempt to compel any person to abandon any lawful occupation or employment for any length of time, or prevent any person from accepting or entering upon any lawful employment, shall be deemed guilty of a misdemeanor, and upon conviction shall be punished by a fine of not less than fifty dollars, or imprisonment in the county jail not less than three months, or by both such fine and imprisonment. (New section.)

## EMPLOYMENT OF CHILDREN.

Section 1. It shall be unlawful for any person having the care, custody or control of any child under the age of fourteen years, to exhibit, use or employ, or in any manner, or under any pretense, sell, apprentice, give away, let out or otherwise dispose of any such child to any person in or for the vocation or occupation, service or purpose of singing, playing on musical instruments, rope or wire walking, dancing, begging or peddling, or as a gymnast, contortionist, rider or acrobat, in any place whatsoever, or for any obscene, indecent or immoral purpose, exhibition or practice whatsoever, or for or in any business, exhibition or vocation injurious to the health or dangerous to the life or limb of such child, or cause, procure or encourage any such child to engage therein. Nothing in this section contained shall apply to or affect the employment or use of any such child as a singer or musician in any church, school or academy, or at any respectable entertainment, or the teaching or learning the science or practice of music.

Sec. 2. It shall also be unlawful for any person to take, receive, hire, employ, use, exhibit or have in custody any child under the age and for the purposes prohibited in the first section of this act.

Sec. 3. Any person convicted under the provisions of the preceding sections shall for the first offense be fined not exceeding one hundred dollars, or imprisoned in the county jail not exceeding three months, or both, in the discretion of the court, and, upon conviction for a second or any subsequent offense, shall be fined in any sum not exceeding five hundred dollars, or imprisoned in the penitentiary for a term not exceeding two years, or both, in the discretion of the court.

Sec. 4. All acts or parts of acts inconsistent with this act are hereby repealed.

Approved April 11, 1895.

## CHILD LABOR.

Section 1. No child under the age of fourteen years shall be employed in any manufacturing or mechanical establishment in this State wherein steam, water or any other mechanical power is used in the manufacturing process carried on therein, or where the work to be done by such child would, in the opinion of two reputable physicians in the locality where such work is to be done, be dangerous to the health of such child.

Sec. 2. Any person, firm or corporation, or its agent, who employs, and any parent or person in charge of such child who permits the employment of such child in violation of this act, shall be deemed guilty of a misdemeanor, and shall, upon conviction, be fined not less than ten nor more than one hundred dollars, or imprisonment in the county jail for a period of not less than two days nor more than ten days, or both fined and imprisoned for each offense: Provided, that extreme poverty of the parent, or person in charge of such child, shall be a good defense to such proceeding.

Approved March 23, 1897.

## MINORS.

Sec. 369. Minors May Be Bound; When.—All minors may be bound as apprentices to some appropriate industry, art, calling or trade—males to the age of twenty-one years and females to the age of eighteen or to the time of their marriage within that age—in the manner prescribed in this chapter.

Sec. 370. By Whom Bound.—Minors under the age of fourteen years may be bound by their father, or, in case of his death, incompetency, or where he shall have willfully abandoned his family for six months without making suitable provisions for their support, or has become an habitual drunkard, by their mother or

by their legal guardian; and, if illegitimate, they may be bound by their mother; and if they have no parent competent to act, and no guardian, they may bind themselves, with the approbation of the Probate Court of the county where they reside; but the power of a mother to bind her children, whether legitimate or illegitimate, shall cease upon her subsequent marriage, and shall not be exercised by herself or her husband at any time during such marriage.

Sec. 376. No Minor Bound Unless by Indenture.—No minor shall be bound, as aforesaid, unless by an indenture of two parts, sealed and delivered by both parties, and when made with the approbation of the Probate Court, or the judge thereof in vacation, its approbation shall be certified in writing, indorsed upon each part of the indenture. (R. S., 1879, Sec. 4081.)

Sec. 396. Common Law Right Not Affected by This Chapter.—Nothing contained in this chapter shall prevent or affect the right of a father, by the common law, to assign or contract for the service of his children, for the term of their minority, or any part thereof. (R. S., 1879, Sec. 4101.)

## ELECTIONS—CORRUPT PRACTICES.

(Section 1.) Sec. 4A. Any person entitled to vote at any election in this State shall, on the day of such election, be entitled to absent himself from any services or employment in which he is then engaged or employed, for a period of four hours between the times of opening and closing the polls; and such voter shall not, because of so absents himself, be liable to any penalty: Provided, however, that his employer may specify the hours during which such employe may absent himself as aforesaid. Any person or corporation who shall refuse to any employe the privilege hereby conferred, or shall discharge or threaten to discharge any employe for absents himself from his work for the purpose of said election, or shall cause any employe to suffer any penalty or deduction of wages because of the exercise of such privilege, or who shall directly or indirectly violate the provisions of this section, shall be deemed guilty of a misdemeanor, and on conviction thereof be fined in any sum not exceeding five hundred dollars.

(Sec. 2.) Sec. 4B. It shall not be lawful for any corporation organized and doing business under and by virtue of the laws of this State, to directly or indirectly, by or through any of its officers or agents, or by or through any person or persons for them, influence or attempt to influence the result of any election to be held in this State, or procure or endeavor to procure the election of any person to a public office by the use of money belonging to such corporation, or by subscribing any money to any campaign fund of any party or person, or by discharging or threatening to discharge any employe of such corporation for reason of the political opinions of such employe, or to use or offer to use any power, effort, influence or other means whatsoever, to induce or persuade any employe or other person entitled to register before or vote at any election, to vote or refrain from voting for any candidate, or on any question to be determined or at issue at any election. Any violation of the provisions of this section by a corporation shall be deemed and held as a forfeiture of its charter or franchise, as granted or derived from the State, as for willful misuser thereof, and such corporation shall be enjoined from transacting any business in this State; and such forfeiture and injunction may be adjudged by any Circuit Court of any county in which such corporation is located, in a suit instituted for that purpose, in the name of the State of Missouri, by the prosecuting attorney of any county, and in the city of St. Louis by the circuit attorney or the attorney general.

(Sec. 3.) Sec. 4C. Every officer or agent of any railroad or other corporation, company or association, and every individual conducting or carrying on any business in this State and having under his control or supervision or in his employ any servants, agents or other employes entitled to vote at any election in this State, who shall either directly or indirectly, or by or through any person or persons for him, discharge or offer to attempt to discharge from any employment, service or position, any such employe for reason of the political opinions or belief of any such employe, or who shall coerce or attempt to coerce, intimidate or bribe any employe, or who shall, by or through any unjust, corrupt or unlawful means, procure or attempt to procure or influence any employe entitled to register before or vote at any election, to vote or refrain from voting for any candidate for any public office at any election held in this State, shall be deemed guilty of a felony, and on conviction thereof shall be punished by imprisonment in the penitentiary not less than two nor more than five years.

Approved March 20, 1897.

## RECOMMENDATIONS.

As the twentieth annual report of this Bureau will have been published before the Fortieth General Assembly convenes, the object of submitting recommendations at this time is to bring them to the consideration of the citizens in advance of the selection of members of said Assembly.

With a view to increasing the usefulness of the Bureau of Labor Statistics by the elimination of technical obstacles and the enactment of such additional laws as will more clearly define its powers and duties and broaden its sphere of work, the following brief and general recommendations, suggested by practical experience and close observation, are respectfully submitted for the consideration of the citizens of the State in general, and those who shall constitute the next General Assembly in particular:

Attention is directed to the proposed substitute for Section 8225 (relating to the compilation of statistics of manufactures), which is given in the introductory remarks on "Missouri's Manufactures." The enactment of said substitute, or one similar, would greatly facilitate the collection of statistics and enable the Bureau to render much more satisfactory and reliable service.

There is a general demand for complete and exact information relative to the production of farm crops and live stock, which the Bureau (nor any other State department) cannot supply, for the reason that no adequate provision has been made for a thorough compilation of such information. The laws of some States—notably Kansas—make it the duty of the Assessor to ascertain the total acreage and average yield per acre of all crops produced by each farmer, the actual cost of production and average price realized, the amount marketed and the amount remaining on hand at a given date, the number of live stock of all kinds raised, marketed and on hand, the price realized and present values. This information is tabulated on blanks furnished by the State, to be returned when completed.

If such a law was enacted in this State it would enable the Bureau to furnish complete, correct information concerning the State's leading industry—agriculture—and its practical application would entail but slight additional expense.

A number of recommendations are made in the chapter on "Factory Inspection," all of which are worthy of careful consideration. The health, safety, comfort and general welfare of our wage-earners should be carefully guarded.

A bill to create a "Department of Immigration," under the jurisdiction of this Bureau, was introduced during the session of the last General Assembly, but, through lack of time for proper consideration, failed of enactment.

The attention of investors and homeseekers throughout the country is being directed toward Missouri, and from all quarters come inquiries relative to the wonderful resources and productions of our great State. Since the "Missouri Immigration Society" ceased to exist—almost 20 years ago—no official effort on the part of the State has been put forth to generally advertise our resources and invite capital and immigration to our midst. The information which this Bureau collects, if properly disseminated, would induce a large inflow of desirable people—we have room on the Government and other unoccupied lands of South Missouri alone for 10,000 additional homes. Our vast deposits of rich minerals, practically undeveloped, only need to be advertised to bring in capital. A large majority of our own people possess a very vague idea of the immense and almost inexhaustible resources—the latent wealth—of their great State.

An Immigration Department, if conducted in connection with this Bureau, could be operated at slight additional expense, and its benefits would redound to the interests of the whole State.

The Free Employment Department lately established by this Bureau, with headquarters at 916 Chemical Building, St. Louis (the details of which are given elsewhere in this Report), has already proven of incalculable benefit to the unemployed, not only by securing positions for a large percentage of the applicants, but by affording this needy and deserving class of our citizens a safe refuge from the wiles of the unprincipled sharks who conduct many of the so-called "employment agencies" in our large cities.

The Bureau's present clerical force (which is as large as its appropriation will warrant) is inadequate to meet the large and increasing demands being made upon the Free Employment Department. The fact that employment has been secured for a large per cent of the applicants, thus affording them means of a livelihood and at the same time increasing the State's productive force, is proof of the practical utility of this undertaking. A branch office should be established in Kansas City to afford prompt facilities for bringing the employers and unemployed of the western portion of the State into direct communication.

The Commissioner indulges the hope that this subject, as well as the foregoing recommendations, will be given such consideration by our State's lawmakers as is justified by the facts presented.



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